System Performance Check Data (1900MHz Body)

Date: 2018.08.13
Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.551 S/m; ε_r = 52.883; ρ = 1000 kg/m^3
Phantom section: Flat Section

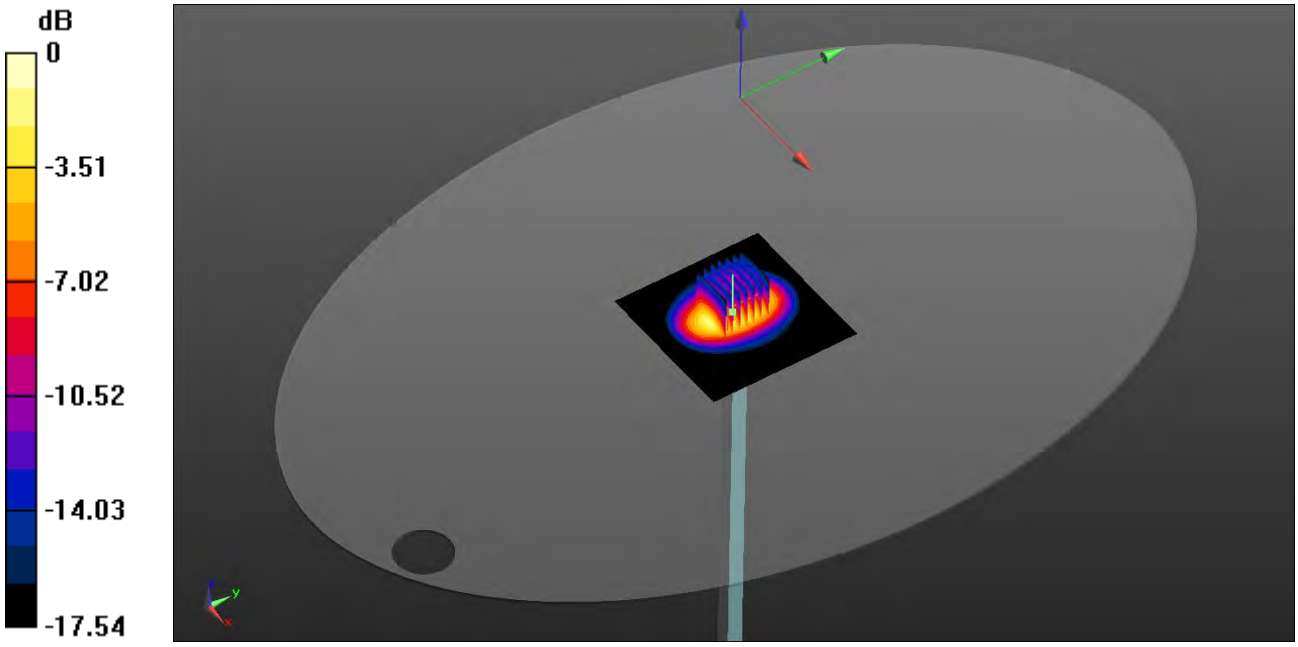
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.46 W/kg

CW1900 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.54 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 7.37 W/kg
SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.03 W/kg
Maximum value of SAR (measured) = 4.45 W/kg



0 dB = 4.45 W/kg

System Performance Check Data (1900MHz Body)

Date: 2018.08.14
Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.542 S/m; ε_r = 51.657; ρ = 1000 kg/m^3
Phantom section: Flat Section

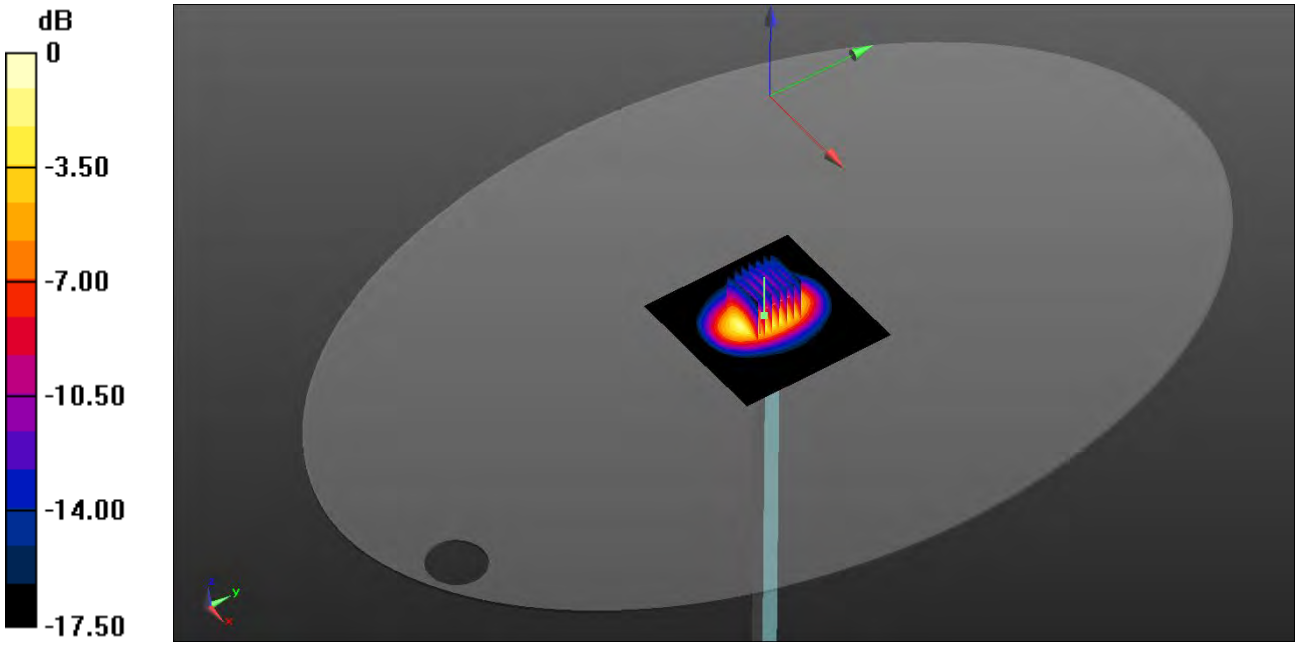
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.70 W/kg

CW1900 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.51 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.74 W/kg
SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.14 W/kg
Maximum value of SAR (measured) = 4.67 W/kg



0 dB = 4.67 W/kg

System Performance Check Data (2450MHz Body)

Date: 2018.09.03
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.983 S/m; ε_r = 51.686; ρ = 1000 kg/m^3
Phantom section: Flat Section

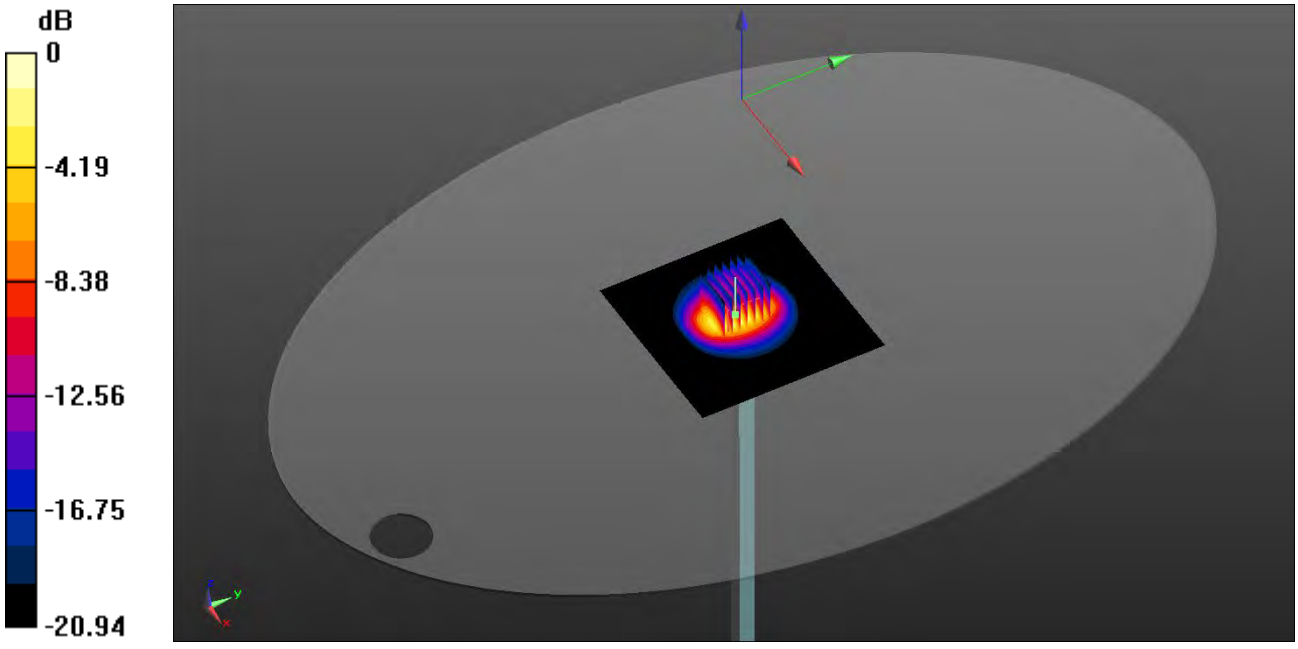
Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.28 W/kg

CW2450 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.85 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 4.97 W/kg; SAR(10 g) = 2.31 W/kg
Maximum value of SAR (measured) = 5.72 W/kg



0 dB = 5.72 W/kg

System Performance Check Data (2450MHz Body)

Date: 2018.08.03
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.958 S/m; ε_r = 51.052; ρ = 1000 kg/m^3
Phantom section: Flat Section

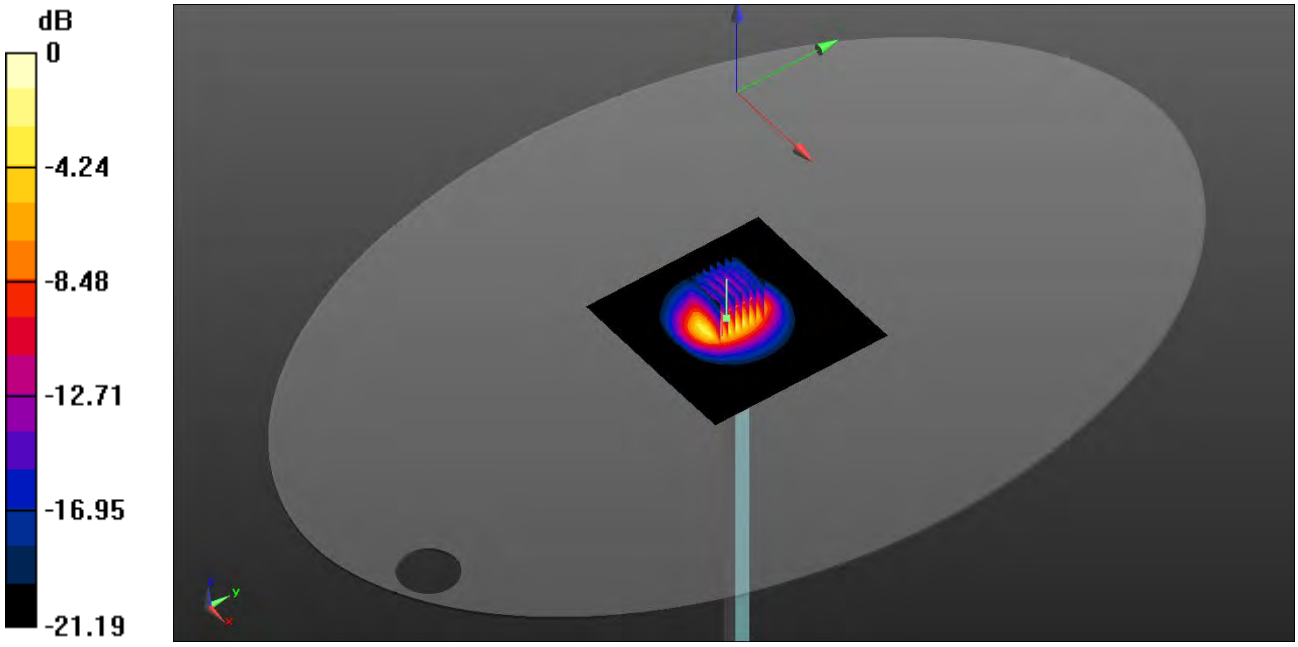
Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.97 W/kg

CW2450 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.31 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 5.04 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (measured) = 5.78 W/kg



0 dB = 5.78 W/kg

System Performance Check Data (2450MHz Body)

Date: 2018.08.06
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.97 S/m; ε_r = 52.751; ρ = 1000 kg/m^3
Phantom section: Flat Section

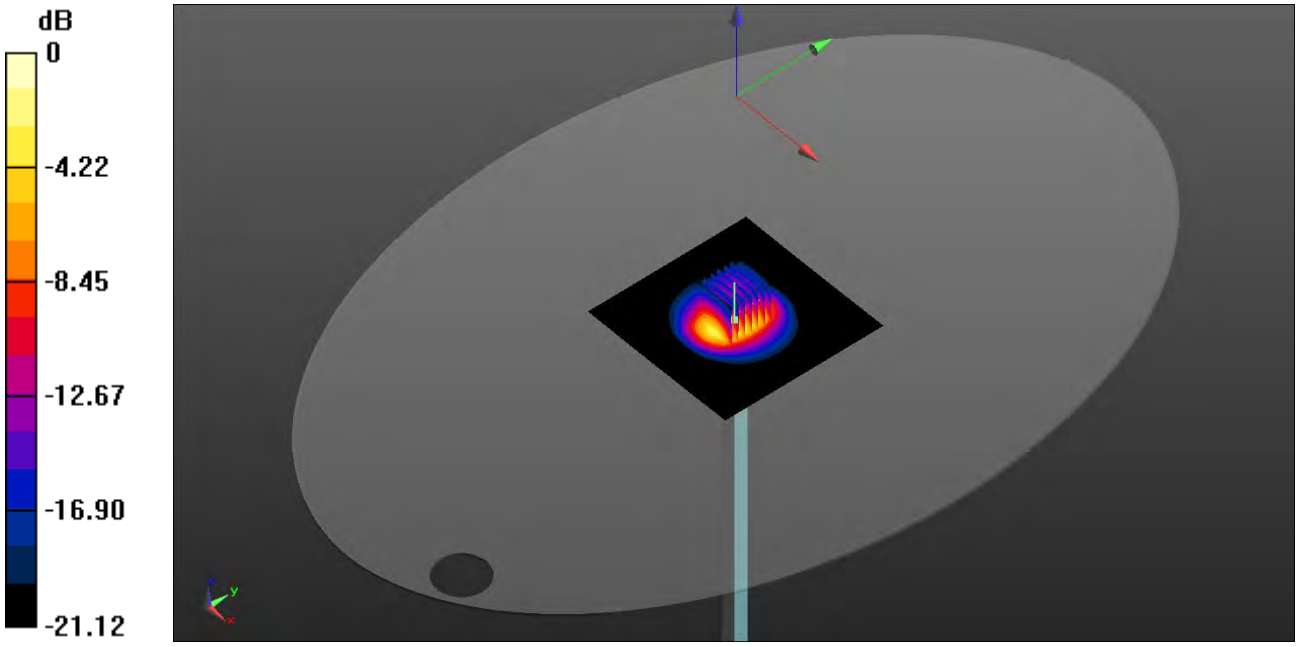
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.70 W/kg

CW2450 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.47 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 9.93 W/kg
SAR(1 g) = 4.91 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 5.68 W/kg



0 dB = 5.68 W/kg

System Performance Check Data (2450MHz Body)

Date: 2018.08.07
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.992 S/m; ε_r = 51.842; ρ = 1000 kg/m^3
Phantom section: Flat Section

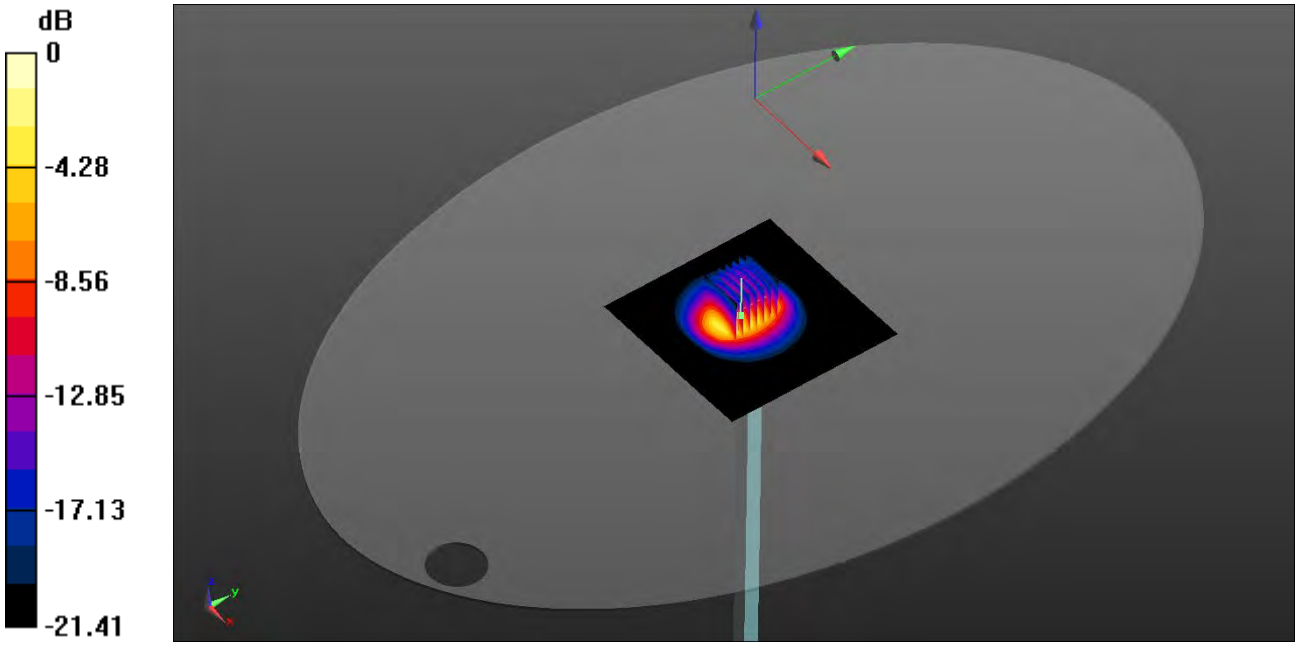
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.90 W/kg

CW2450 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.99 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 5.09 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 5.80 W/kg



0 dB = 5.80 W/kg

System Performance Check Data (2600MHz Body)

Date: 2018.08.30
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.228 S/m; ε_r = 50.82; ρ = 1000 kg/m^3
Phantom section: Flat Section

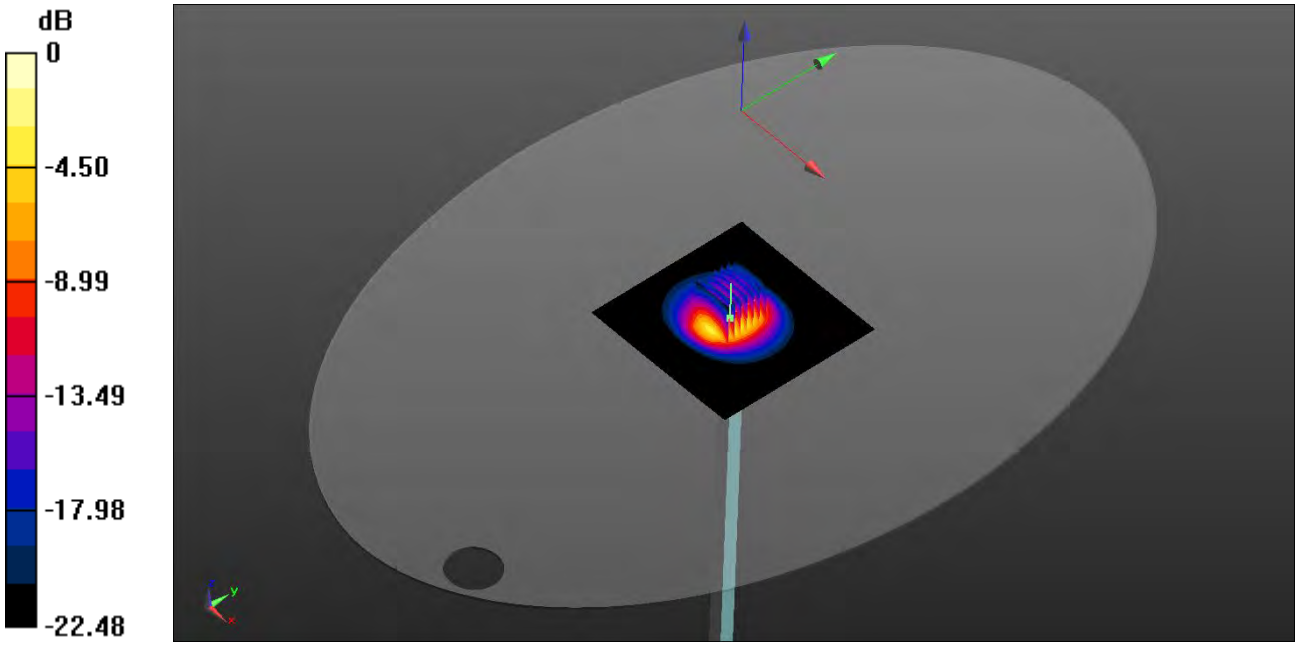
Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.33, 7.33, 7.33); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.50 W/kg

CW2600 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.36 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.49 W/kg
Maximum value of SAR (measured) = 6.44 W/kg



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz Body)

Date: 2018.08.31
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.193 S/m; ε_r = 52.473; ρ = 1000 kg/m^3
Phantom section: Flat Section

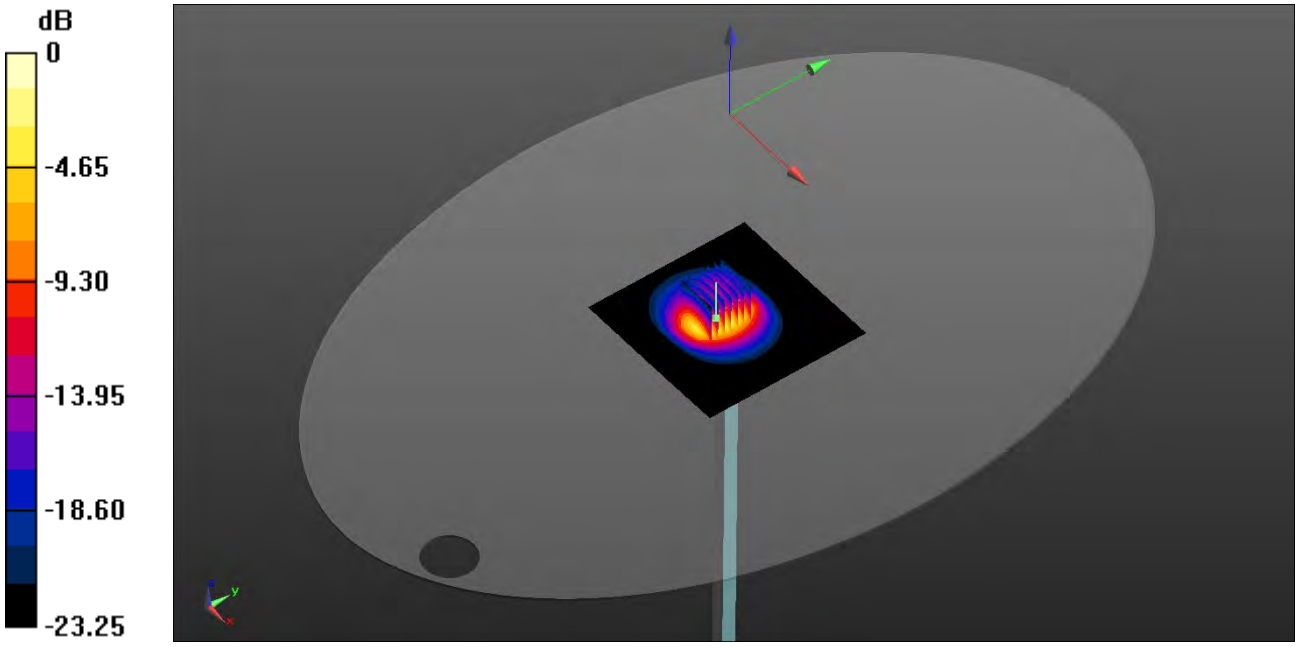
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.33, 7.33, 7.33); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 Body 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.59 W/kg

CW2600 Body 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.33 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.48 W/kg
Maximum value of SAR (measured) = 6.40 W/kg



0 dB = 6.40 W/kg

System Performance Check Data (5250MHz Body)

Date: 2018.08.08
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 5.218 S/m; ε_r = 49.245; ρ = 1000 kg/m^3
Phantom section: Flat Section

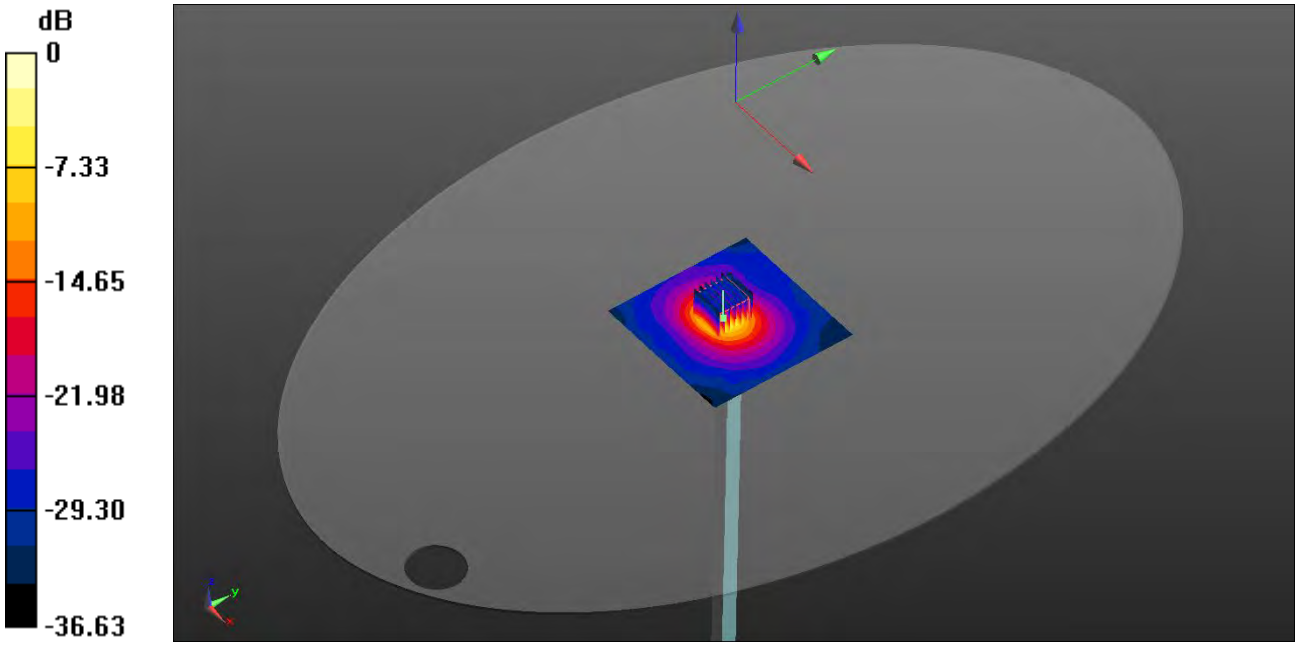
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5250 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.88 W/kg

CW5250 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.36 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 33.2 W/kg
SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.27 W/kg
Maximum value of SAR (measured) = 17.4 W/kg



0 dB = 17.4 W/kg

System Performance Check Data (5250MHz Body)

Date: 2018.09.04
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 5.191 S/m; ε_r = 50.806; ρ = 1000 kg/m^3
Phantom section: Flat Section

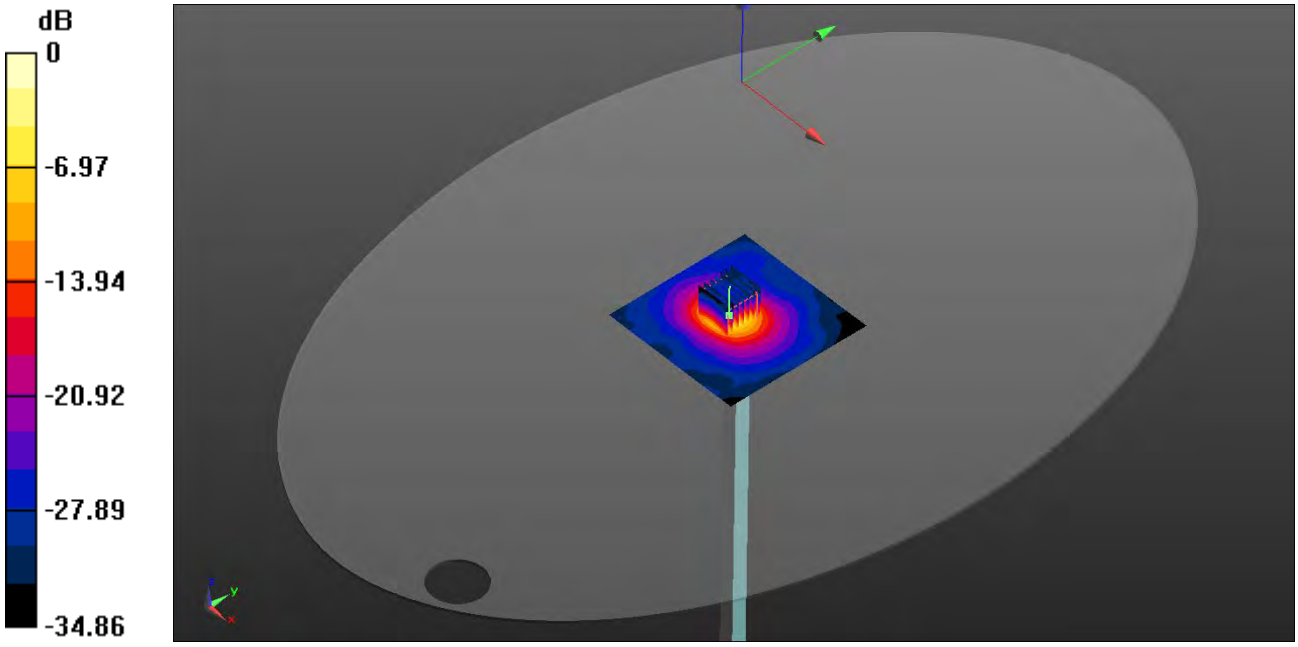
Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5250 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.95 W/kg

CW5250 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.86 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 30.6 W/kg
SAR(1 g) = 7.33 W/kg; SAR(10 g) = 2.06 W/kg
Maximum value of SAR (measured) = 15.4 W/kg



0 dB = 15.4 W/kg

System Performance Check Data (5250MHz Body)

Date: 2018.09.05
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 5.288 S/m; ε_r = 49.65; ρ = 1000 kg/m^3
Phantom section: Flat Section

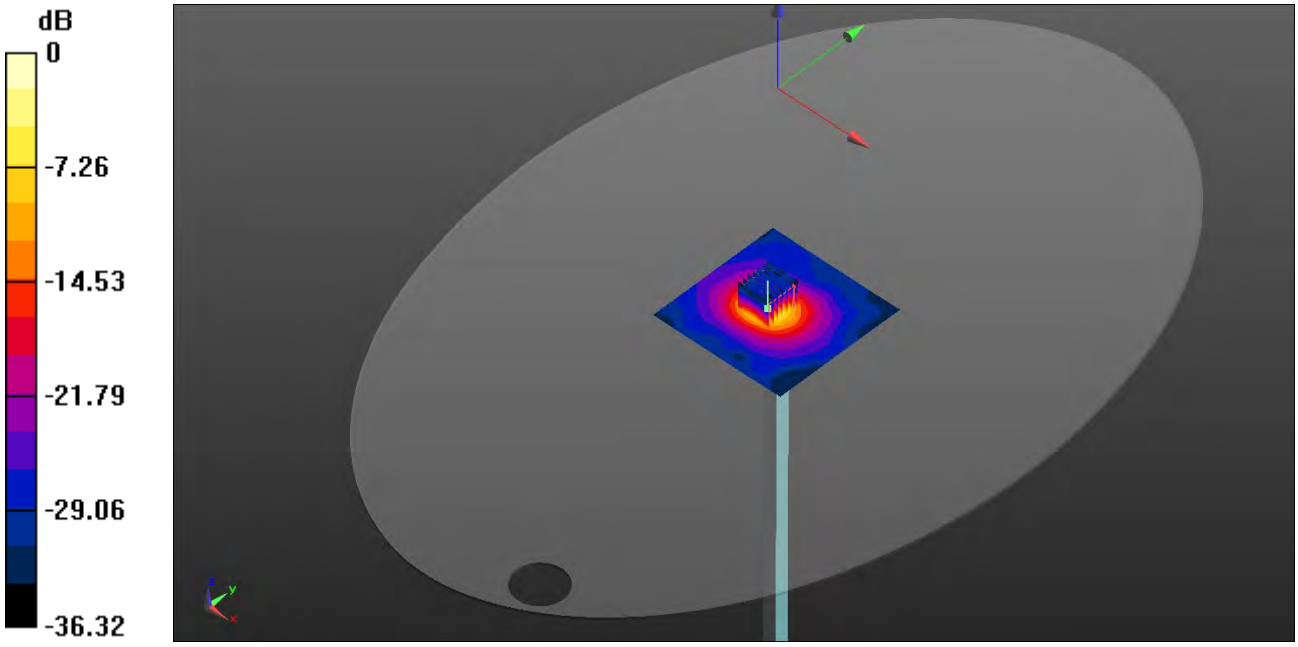
Ambient Temperature:22.2 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5250 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.10 W/kg

CW5250 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.85 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 30.4 W/kg
SAR(1 g) = 7.22 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 15.2 W/kg

System Performance Check Data (5600MHz Body)

Date: 2018.08.09
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.747 S/m; ε_r = 47.068; ρ = 1000 kg/m^3
Phantom section: Flat Section

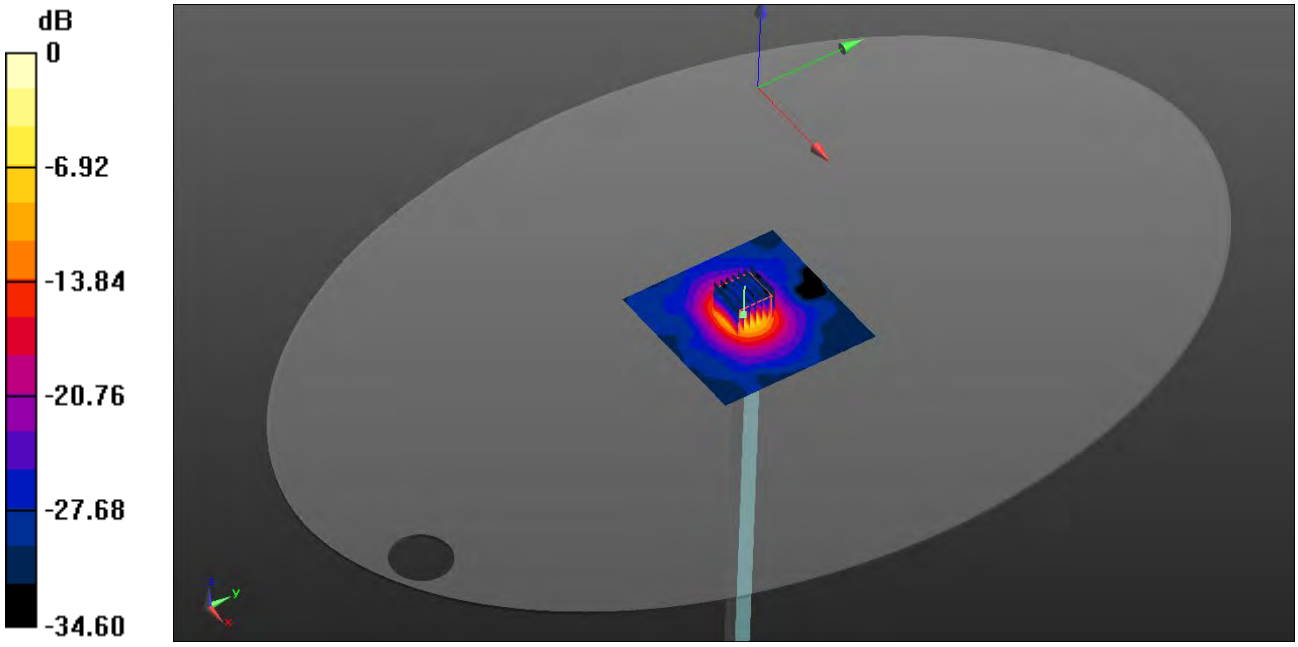
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.50 W/kg

CW5600 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 36.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 16.8 W/kg

System Performance Check Data (5600MHz Body)

Date: 2018.09.07
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.824 S/m; ε_r = 49.284; ρ = 1000 kg/m^3
Phantom section: Flat Section

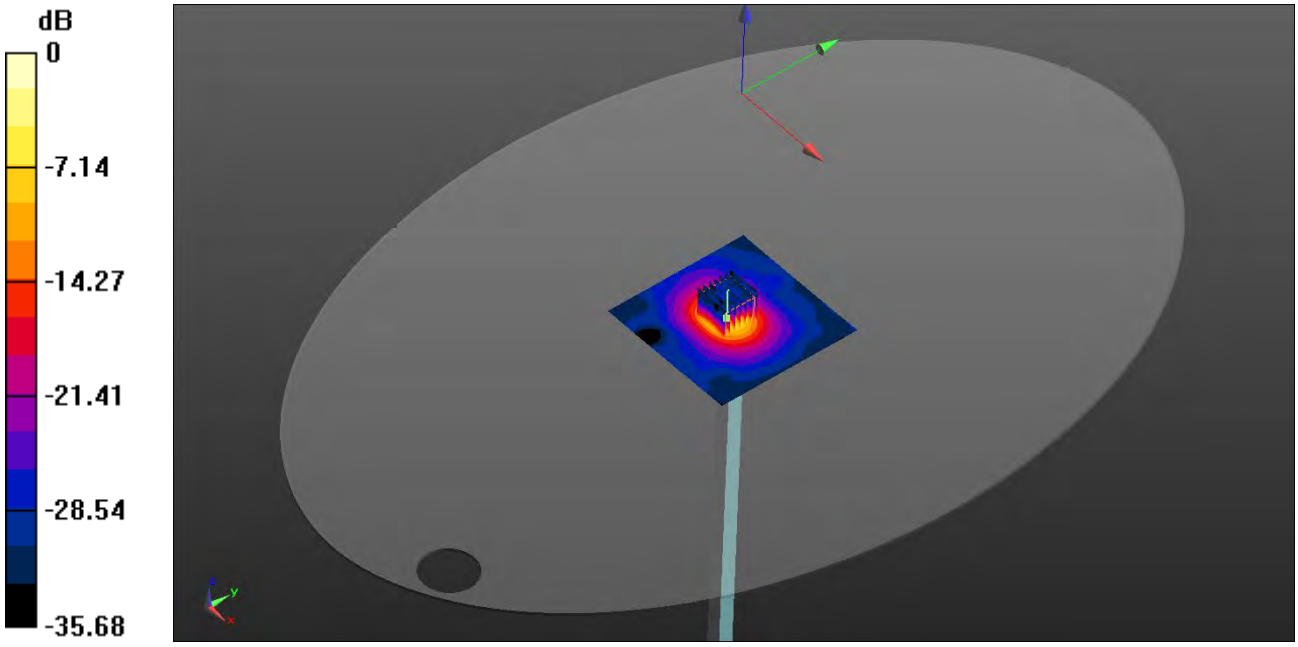
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.36 W/kg

CW5600 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.70 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 16.3 W/kg



0 dB = 16.3 W/kg

System Performance Check Data (5600MHz Body)

Date: 2018.09.06
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.895 S/m; ε_r = 48.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

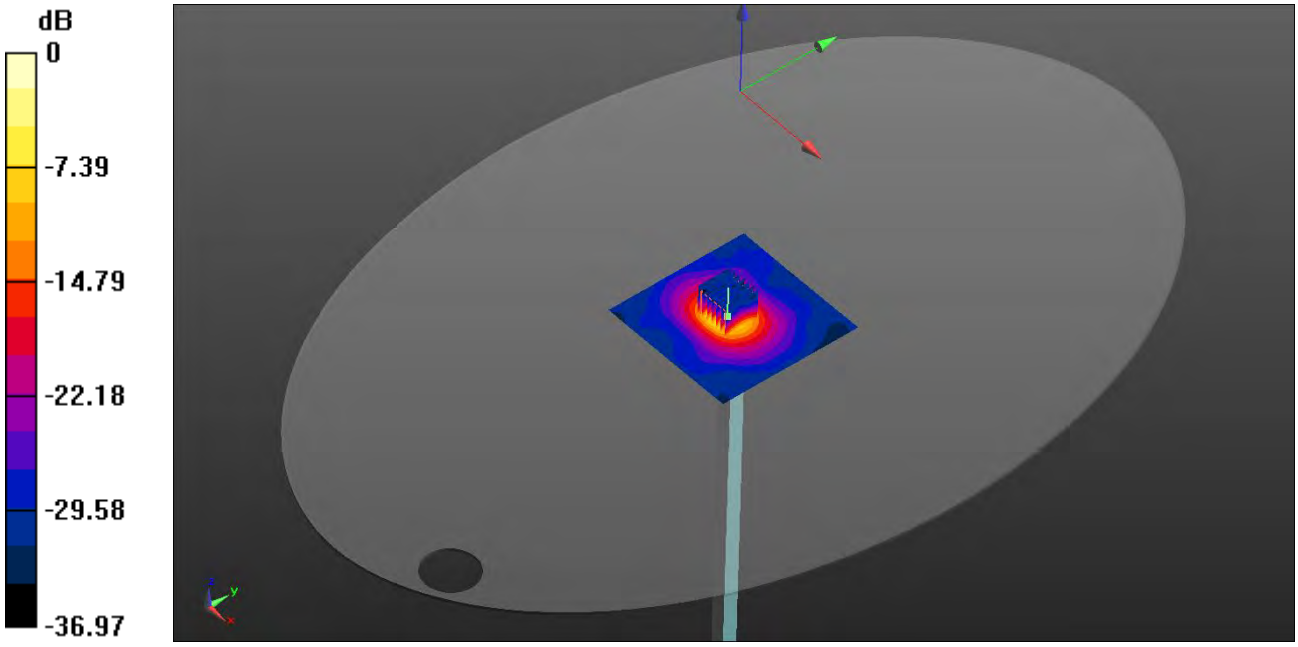
Ambient Temperature:22.3 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.93 W/kg

CW5600 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.37 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.3 W/kg
Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg

System Performance Check Data (5750MHz Body)

Date: 2018.08.10
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 6.088 S/m; ε_r = 47.524; ρ = 1000 kg/m^3
Phantom section: Flat Section

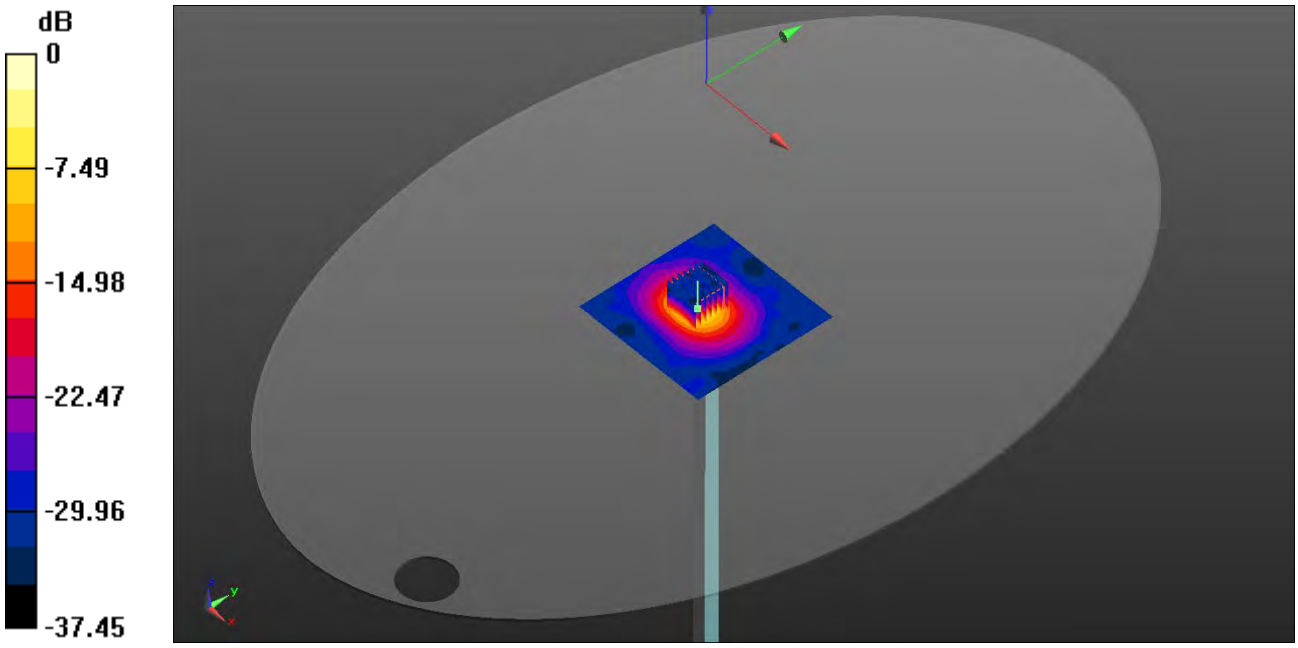
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5750 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.64 W/kg

CW5750 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 29.96 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 32.8 W/kg
SAR(1 g) = 7.26 W/kg; SAR(10 g) = 2.05 W/kg
Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg

System Performance Check Data (5750MHz Body)

Date: 2018.09.08
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ =5.914 S/m; ε_r = 47.254; ρ = 1000 kg/m^3
Phantom section: Flat Section

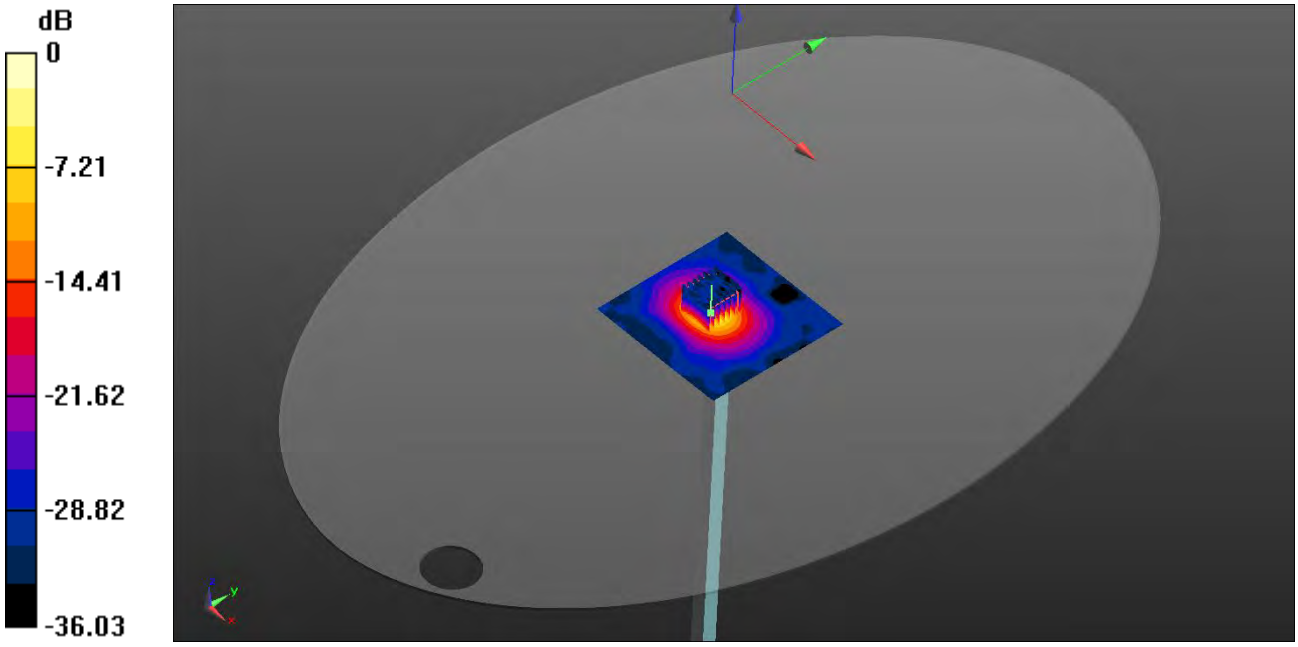
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor -Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5750 Body 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.15 W/kg

CW5750 Body 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.24 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg

System Performance Check Data (5750MHz Body)

Date: 2018.09.10
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.991 S/m; ε_r = 48.014; ρ = 1000 kg/m^3
Phantom section: Flat Section

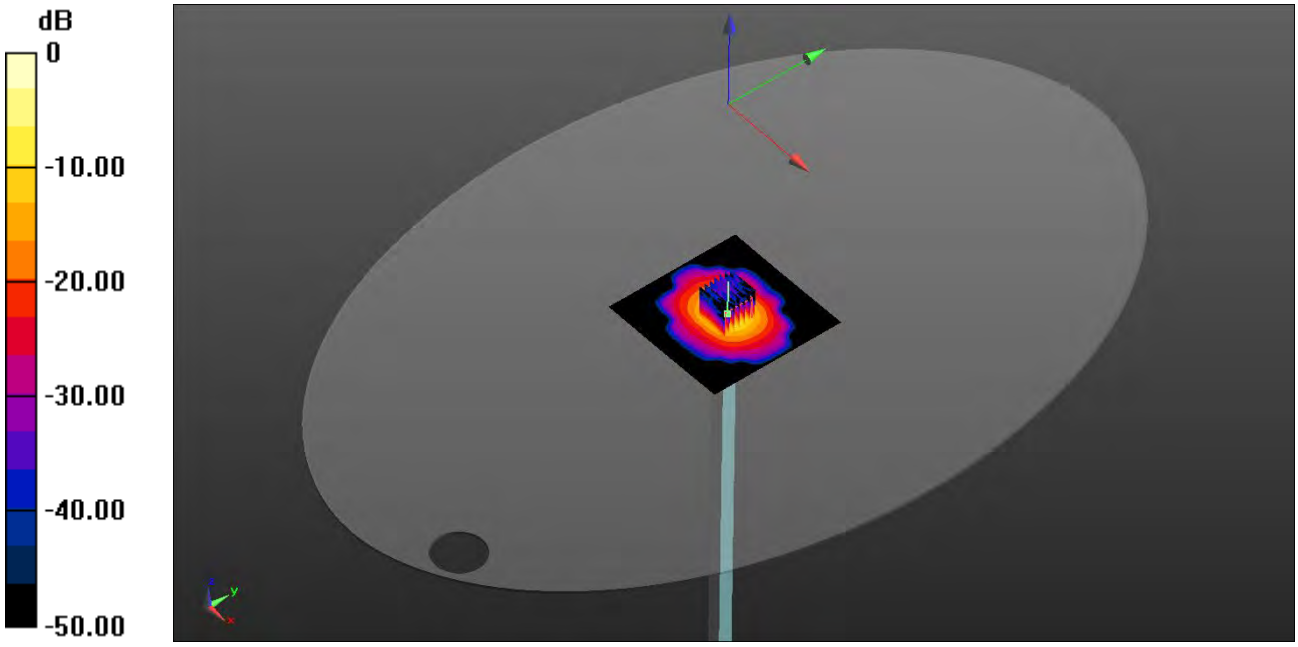
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5750 BODY 100MW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.66 W/kg

CW5750 BODY 100MW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 38.02 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 36.9 W/kg
SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.14 W/kg
Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg

ANNEX C TEST DATA

MEAS.1 Body Plane with Back Side 0mm on Middle Channel in WCDMA Band 2 mode(South Star)
Date: 2018.08.13

Communication System Band: Ⅱ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.503 S/m; ε_r = 53.407; ρ = 1000 kg/m^3
Phantom section: Flat Section

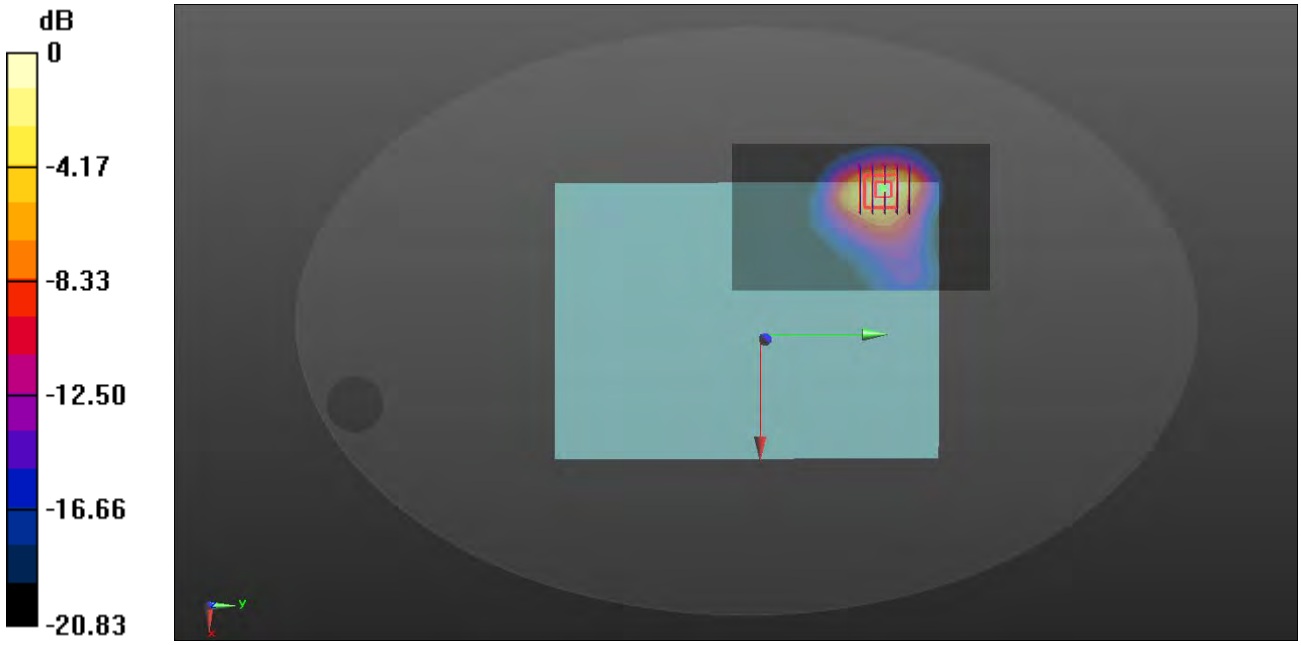
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.704 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.182 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.753 W/kg



0 dB = 0.753 W/kg

MEAS.2 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band 2 mode(South Star)
Date: 2018.08.13
Communication System Band: Ⅱ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.503 S/m; ε_r = 53.407; ρ = 1000 kg/m^3
Phantom section: Flat Section

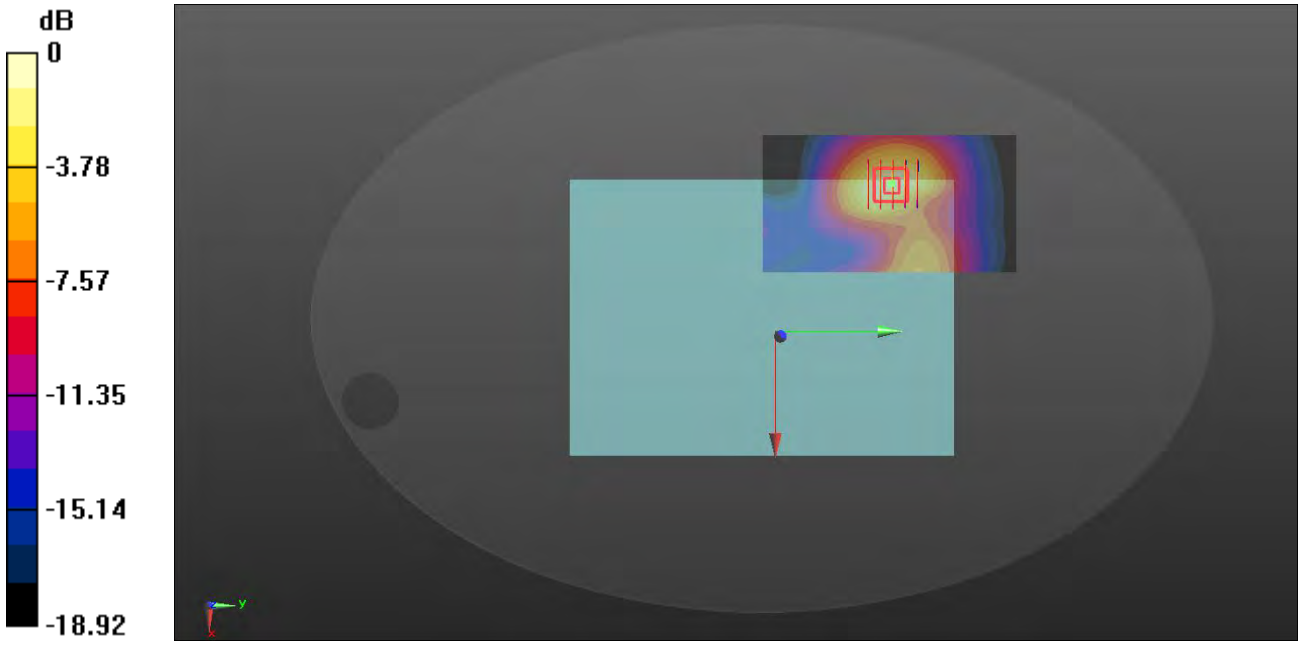
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.00 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.849 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.511 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

MEAS.3 Body Plane with Back Side 0mm on High Channel in WCDMA Band 4 mode(South Star)
Date: 2018.08.15
Communication System Band: IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.494 S/m; ε_r = 53.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

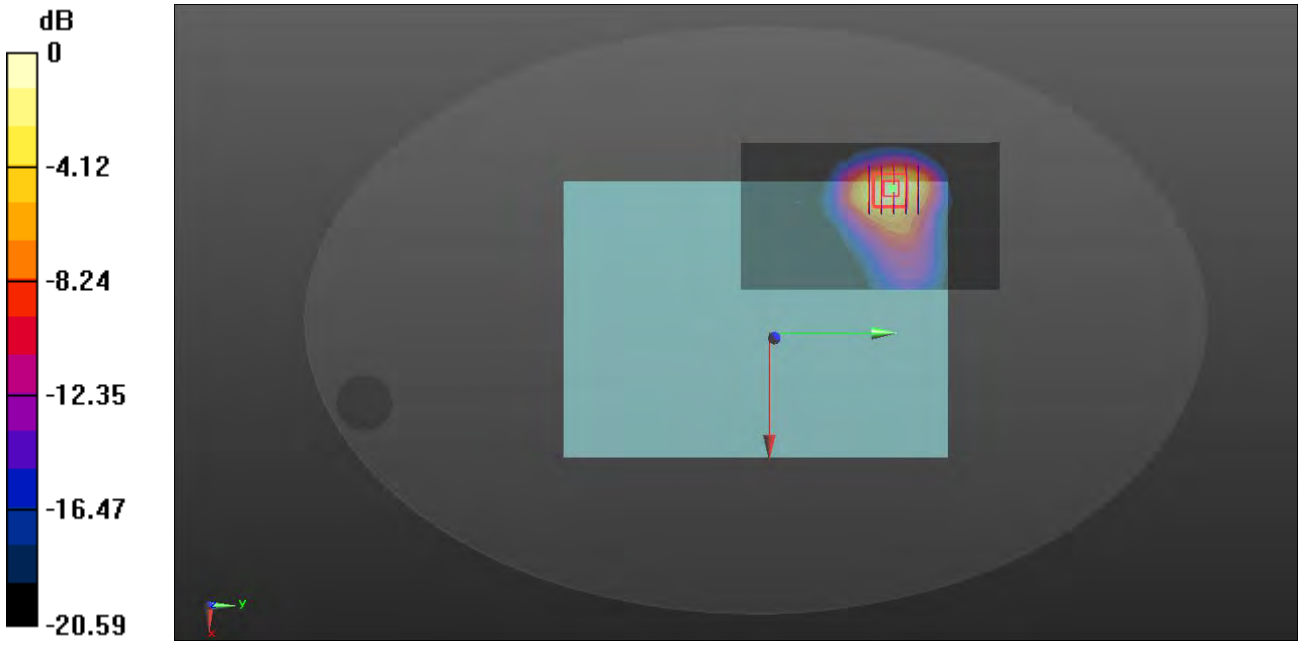
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.2, 8.2, 8.2); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.619 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.417 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.672 W/kg

MEAS.4 Body Plane with Right Edge 5mm on Middle Channel in WCDMA Band 4 mode(South Star)
Date: 2018.08.15
Communication System Band: IV; Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.457 S/m; ε_r = 54.35; ρ = 1000 kg/m^3
Phantom section: Flat Section

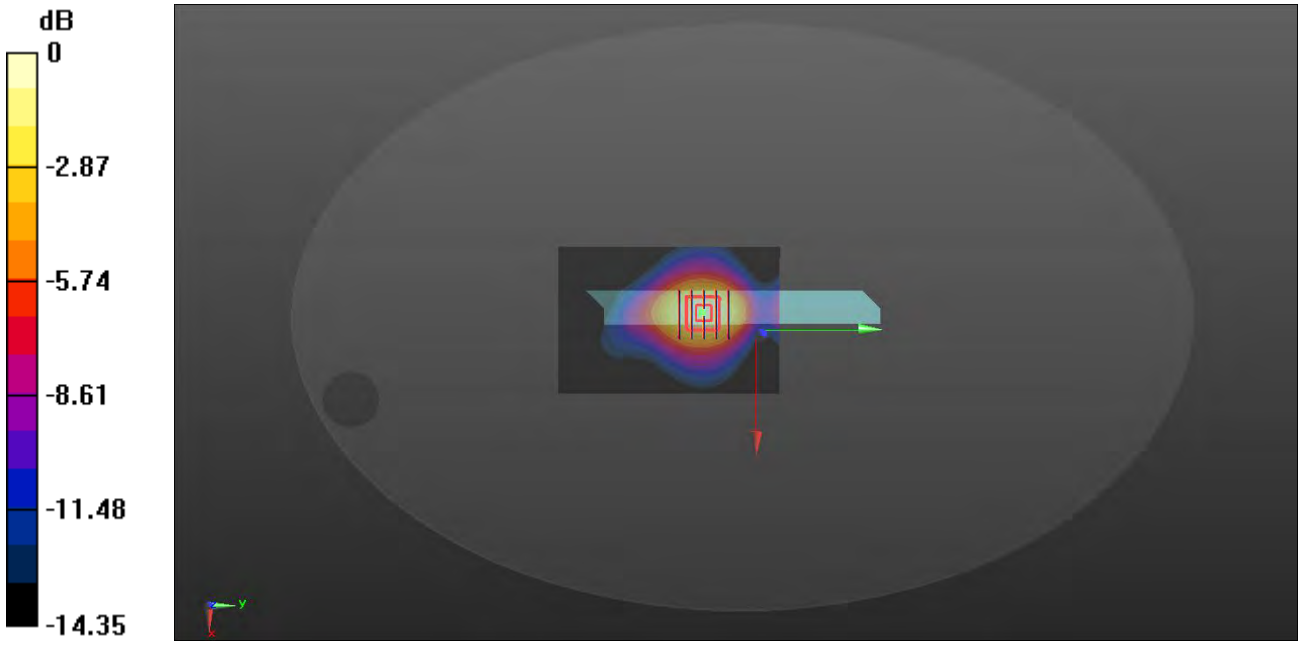
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.2, 8.2, 8.2); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.902 W/kg

Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.62 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.491 W/kg
Maximum value of SAR (measured) = 0.901 W/kg



0 dB = 0.901 W/kg

MEAS.5 Body Plane with Back Side 0mm on High Channel in WCDMA Band 5 mode(Speedwire)
Date: 2018.08.28
Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.959 S/m; ε_r = 53.731; ρ = 1000 kg/m^3
Phantom section: Flat Section

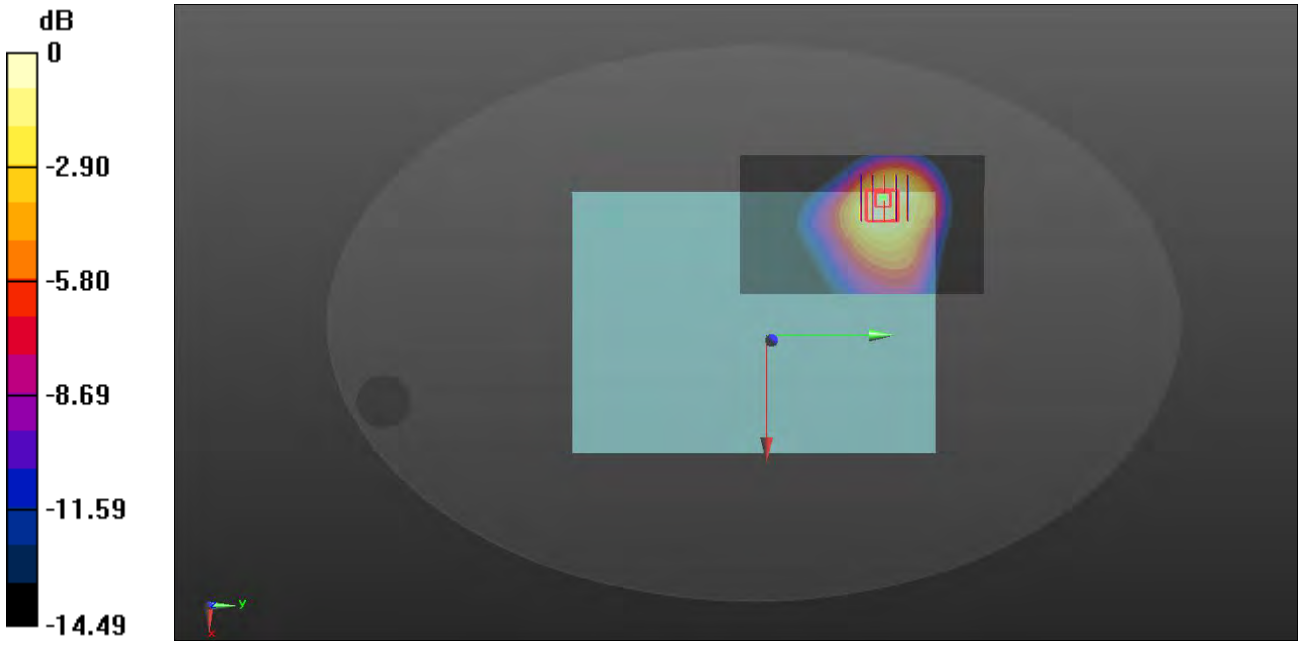
Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.640 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.982 V/m; Power Drift = 0.18dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.350 W/kg
Maximum value of SAR (measured) = 0.661 W/kg



0 dB = 0.661 W/kg

MEAS.6 Body Plane with Right Side 5mm on High Channel in WCDMA Band 5 mode(Speedwire)
Date: 2018.08.28
Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.959 S/m; ε_r = 53.731; ρ = 1000 kg/m^3
Phantom section: Flat Section

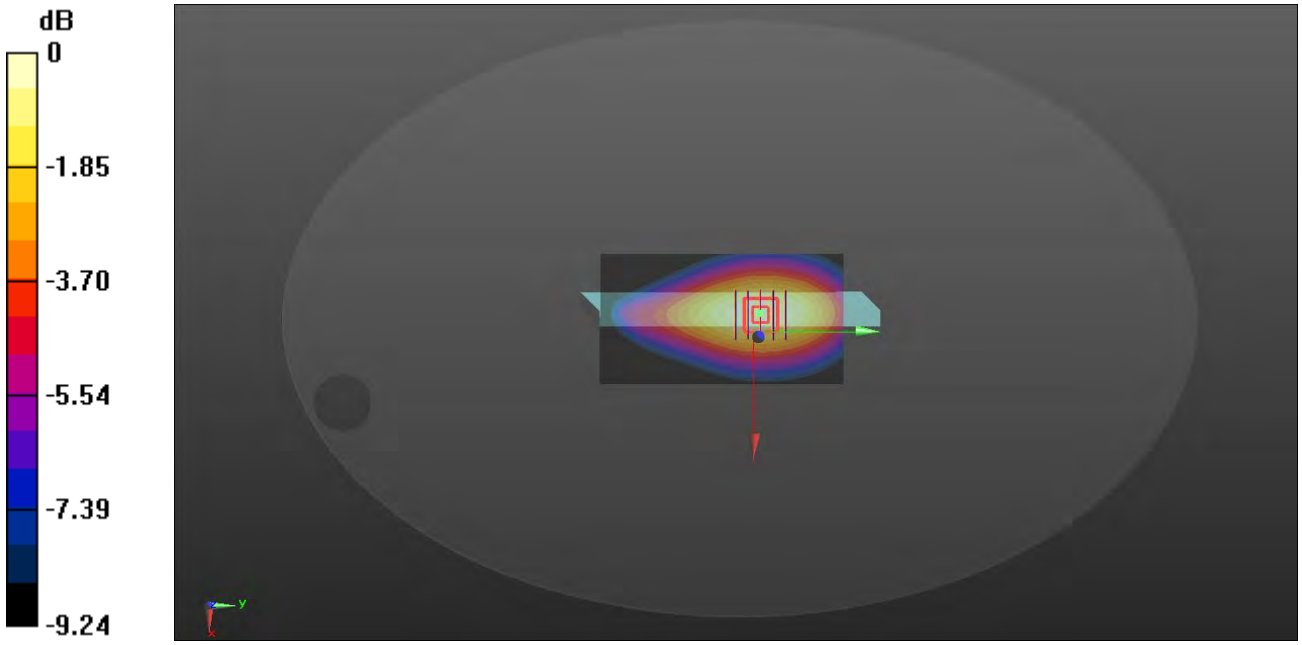
Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.665 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.91 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.862 W/kg
SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.436 W/kg
Maximum value of SAR (measured) = 0.665 W/kg



0 dB = 0.665 W/kg

MEAS.7 Body Plane with Back Side 0mm on Middle Channel in LTE Band 2 mode with 1RB(South Star)
Date: 2018.08.14
Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.527 S/m; ε_r = 52.643; ρ = 1000 kg/m^3
Phantom section: Flat Section

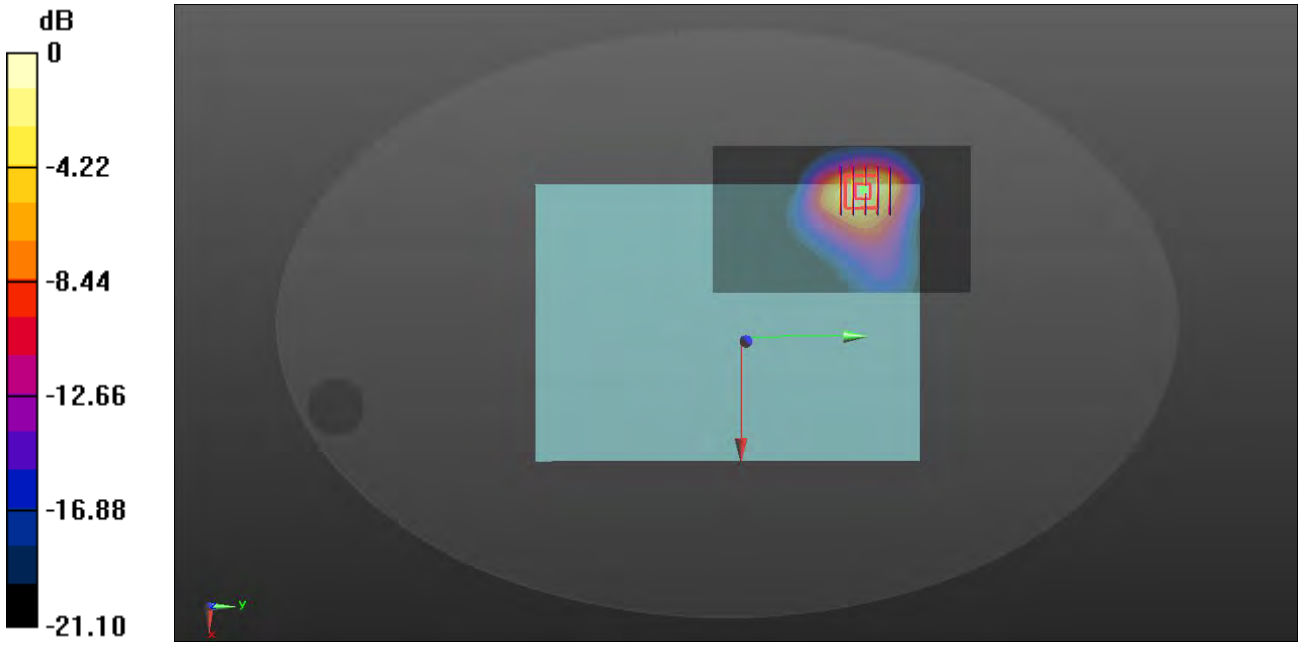
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.753 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.792 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.811 W/kg

MEAS.8 Body Plane with Right Edge 5mm on Low Channel in LTE Band 2 mode with 1RB(South Star)
Date: 2018.08.14
Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1860 MHz; σ = 1.503 S/m; ε_r = 53.24; ρ = 1000 kg/m^3
Phantom section: Flat Section

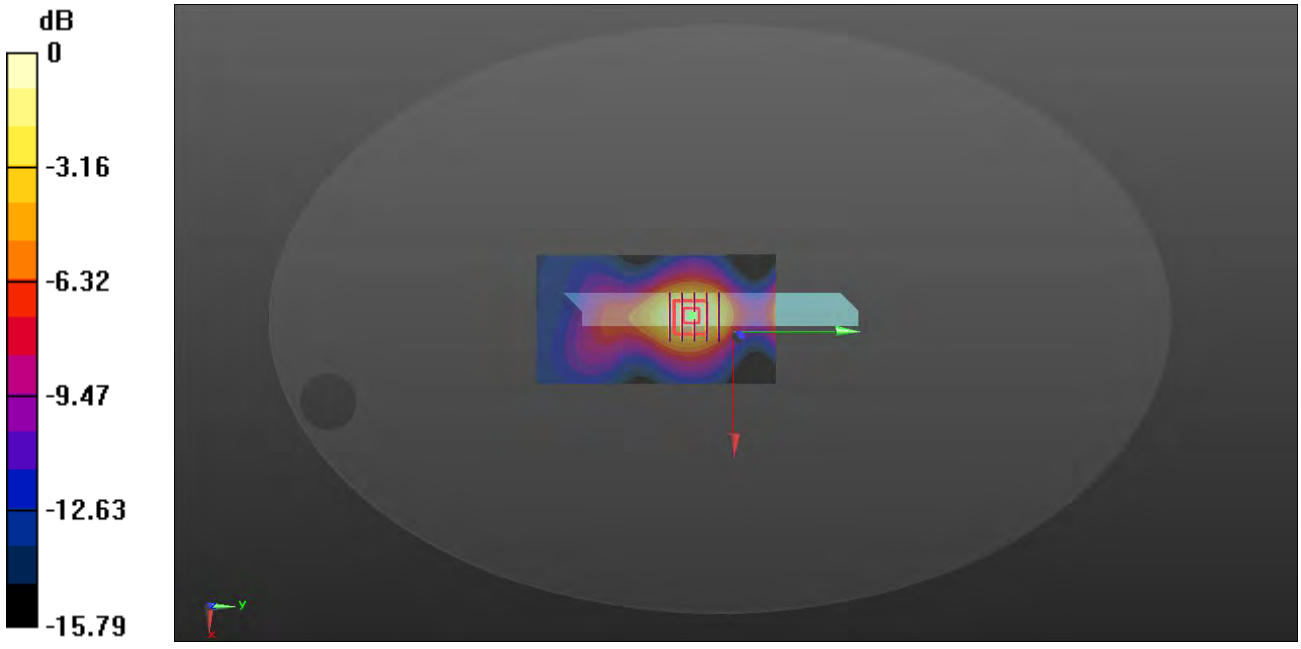
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.86, 7.86, 7.86); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.865 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.68 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 0.869 W/kg



0 dB = 0.869 W/kg

MEAS.9 Body Plane with Back Side 0mm on Middle Channel in LTE Band 5 mode with 1RB(Speedwire)
Date: 2018.08.27
Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.943 S/m; ε_r = 53.728; ρ = 1000 kg/m^3
Phantom section: Flat Section

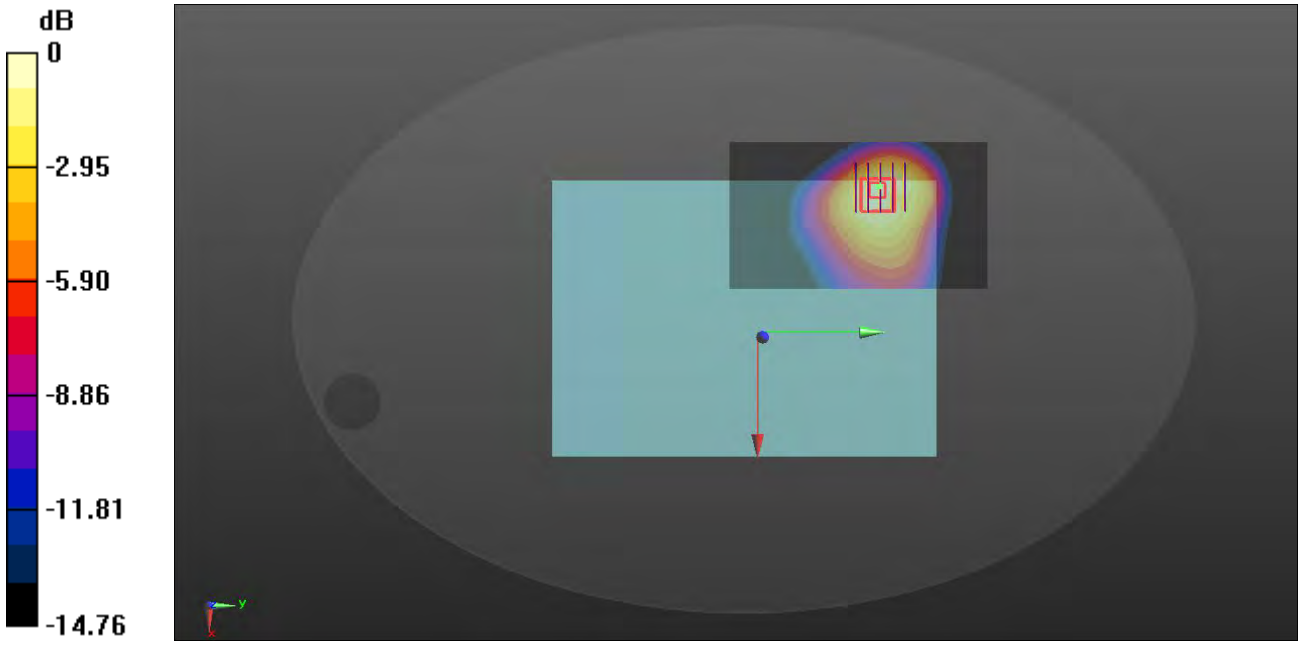
Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.716 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.6060 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.389 W/kg
Maximum value of SAR (measured) = 0.732 W/kg



0 dB = 0.732 W/kg

MEAS.10 Body Plane with Right Edge 5mm on High Channel in LTE Band 5 mode with 1RB(Speedwire)
Date: 2018.08.27
Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 844 MHz; σ = 0.957 S/m; ε_r = 53.53; ρ = 1000 kg/m^3
Phantom section: Flat Section

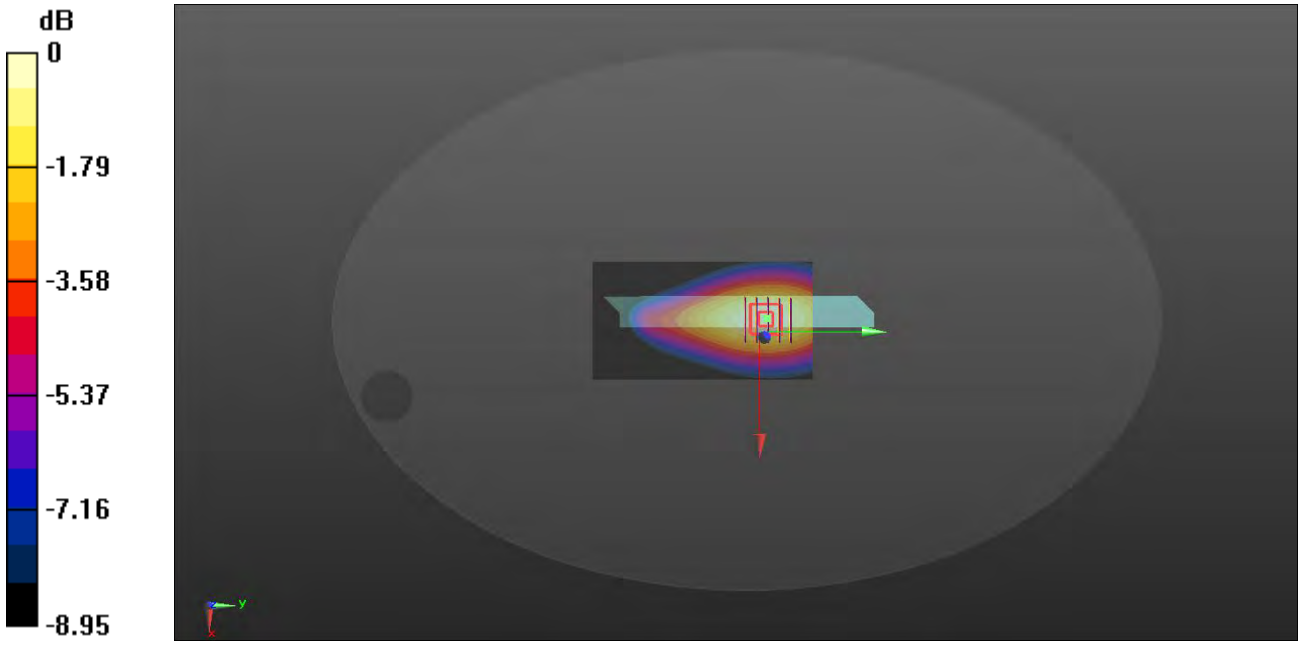
Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.519 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.07 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.519 W/kg



0 dB = 0.519 W/kg

MEAS.11 Body Plane with Back Side 0 mm on Middle Channel in LTE Band 7 mode with 1RB(Speedwire)
Date: 2018.08.30
Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.083 S/m; ε_r = 51.39; ρ = 1000 kg/m^3
Phantom section: Flat Section

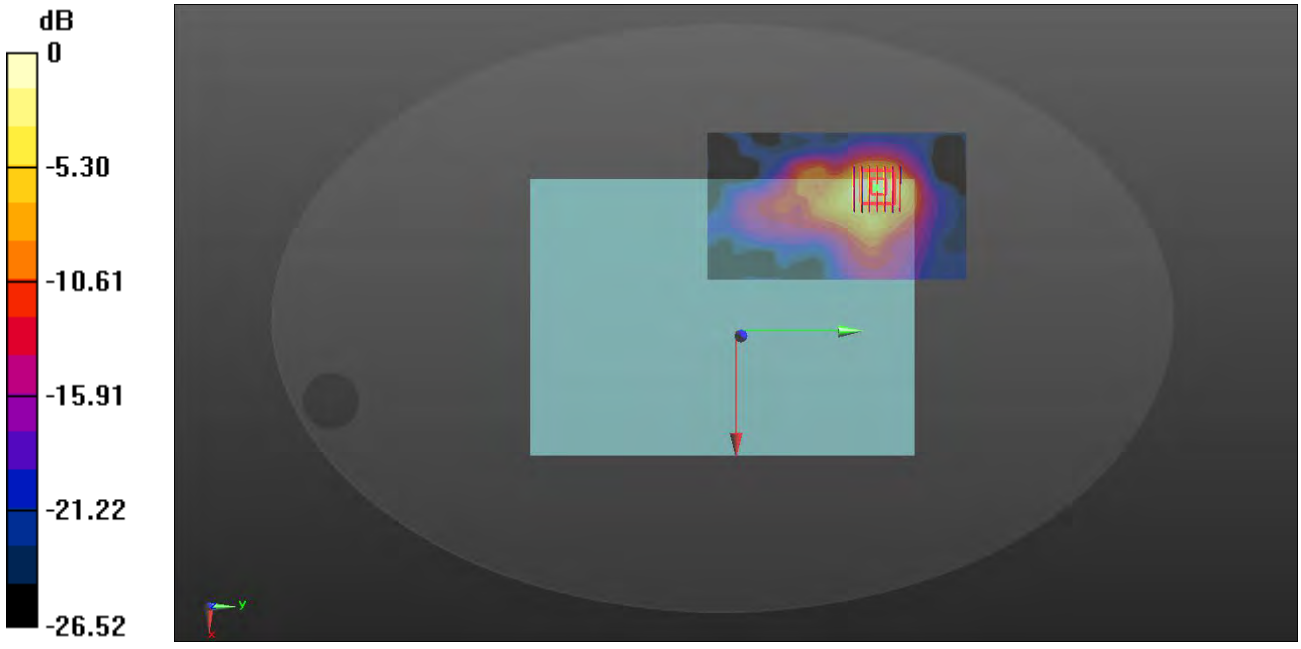
Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 21100/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.603 W/kg

Ch 21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6200 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.214 W/kg
Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg

MEAS.12 Body Plane with Right Edge 5 mm on High Channel in LTE Band 7 mode with 1RB(Speedwire)
Date: 2018.08.30
Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.154 S/m; ε_r = 51.26; ρ = 1000 kg/m^3
Phantom section: Flat Section

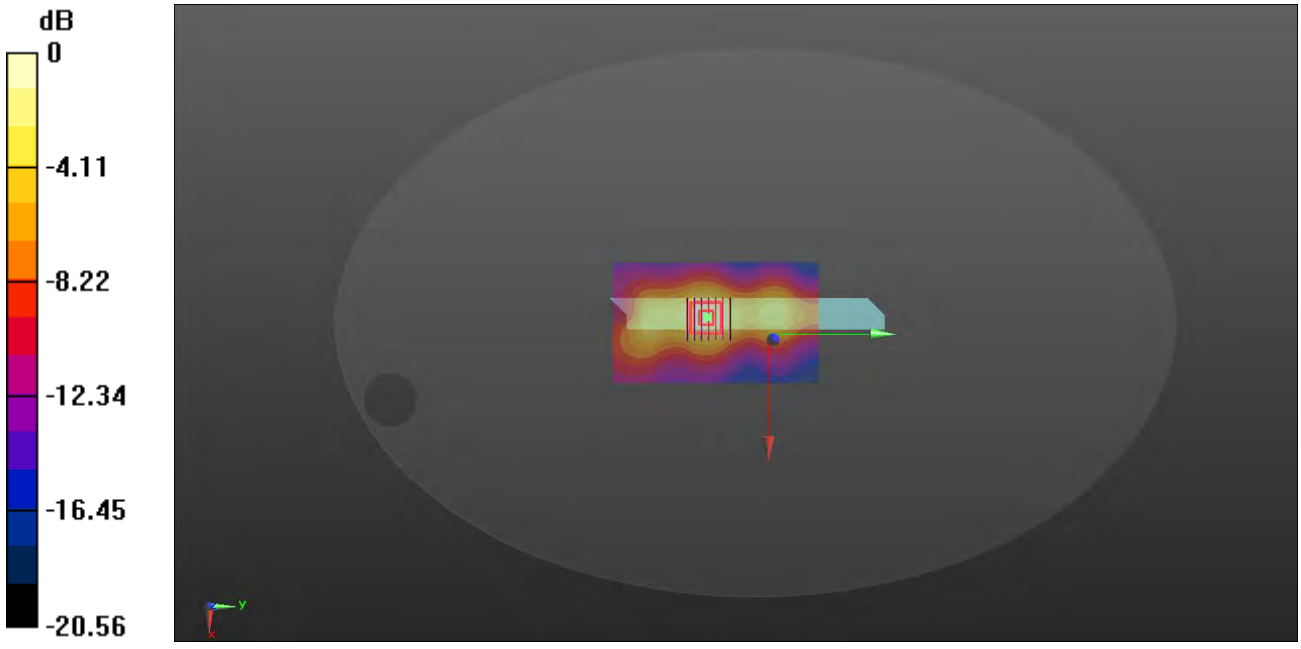
Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.33, 7.33, 7.33); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (71x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.849 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.16 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 0.822 W/kg



0 dB = 0.822 W/kg

MEAS.13 Body Plane with Back Side 0mm on Low in LTE Band 12 mode with 1RB(Speedwire)
Date: 2018.08.17
Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 704 MHz; σ = 0.928 S/m; ε_r = 55.884; ρ = 1000 kg/m^3
Phantom section: Flat Section

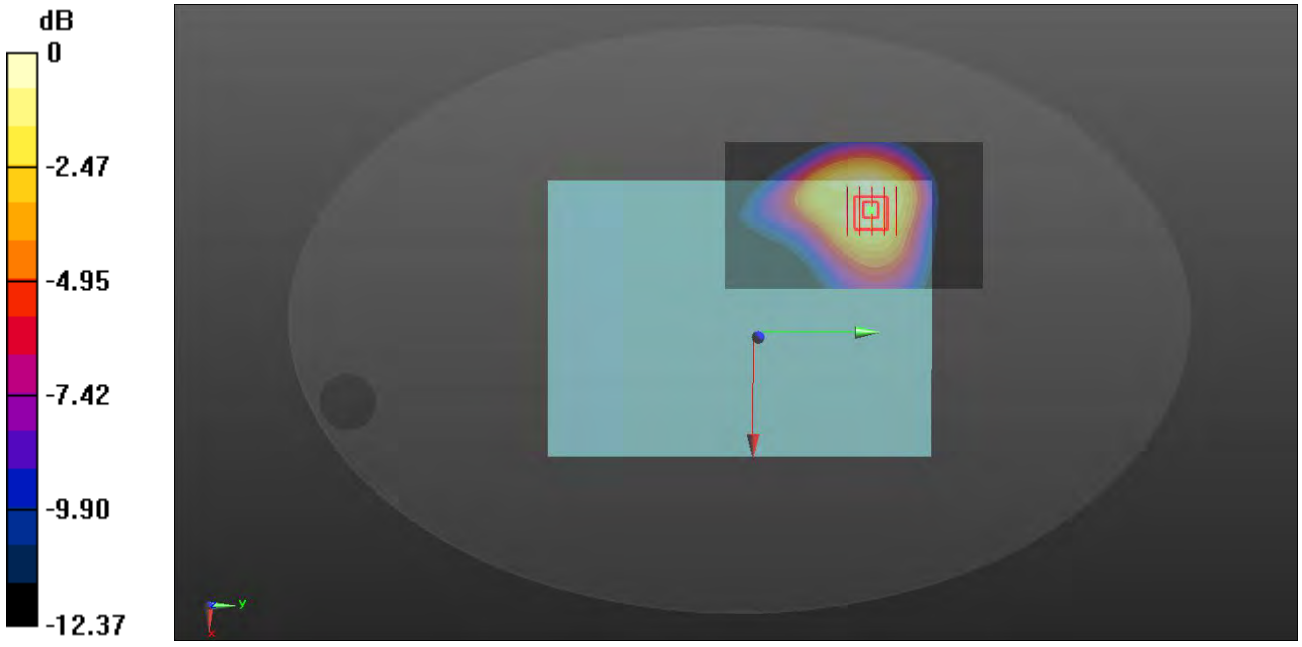
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.53, 10.53, 10.53); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.680 W/kg

Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.665 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.418 W/kg
Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg

MEAS.14 Body Plane with Right Edge 5mm on Middle Channel in LEE Band 12 mode with 1RB(Speedwire)
Date: 2018.08.17
Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.931 S/m; ε_r = 55.863; ρ = 1000 kg/m^3
Phantom section: Flat Section

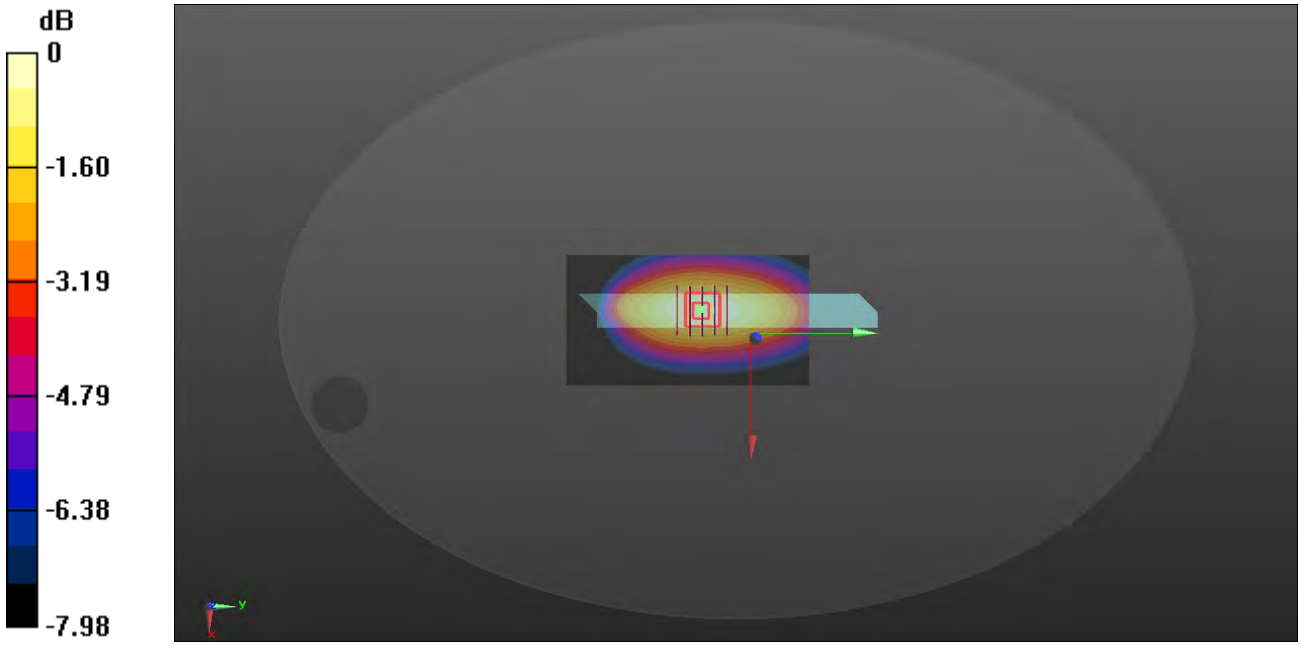
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.53, 10.53, 10.53); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.193 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.47 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg

MEAS.15 Body Plane with Back Side 0mm on Middle Channel in LTE Band 13 mode with 1RB(Speedwire)
Date: 2018.08.20
Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.972 S/m; ε_r = 55.608; ρ = 1000 kg/m^3
Phantom section: Flat Section

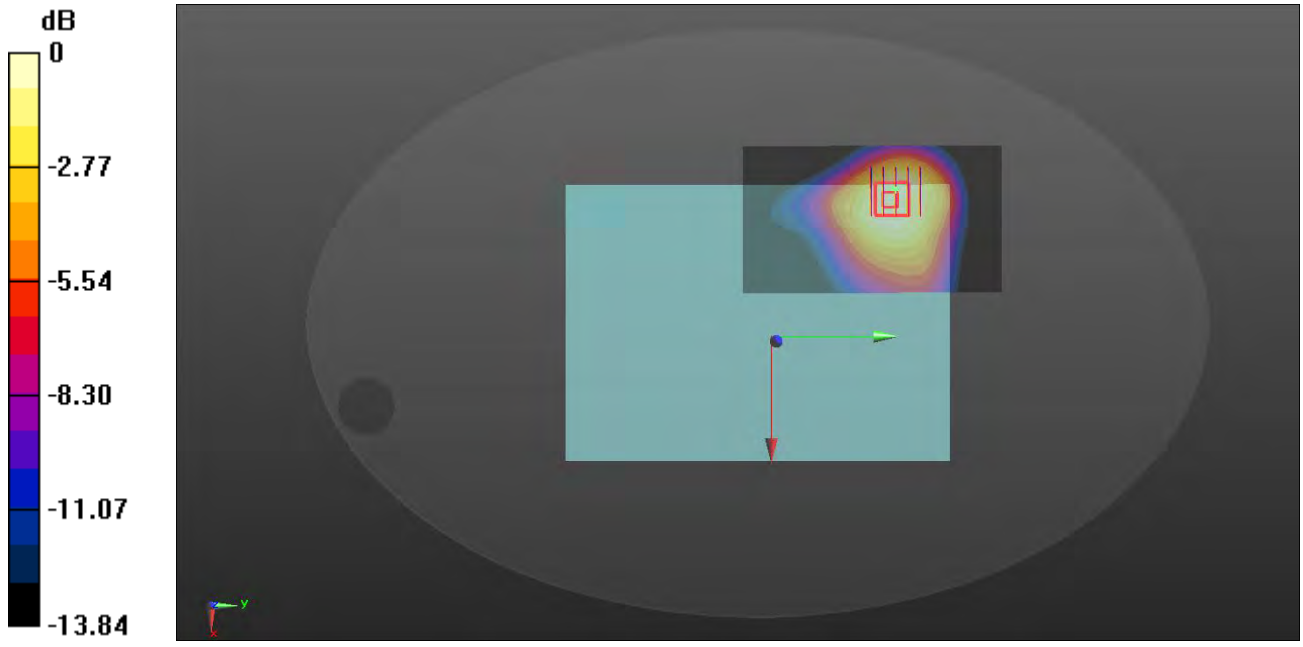
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.53, 10.53, 10.53); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.729 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.851 V/m; Power Drift = 0.15dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.432 W/kg
Maximum value of SAR (measured) = 0.727 W/kg



0 dB = 0.727 W/kg

MEAS.16 Body Plane with Right Edge 5mm on Middle Channel in LEE Band 13 mode with 1RB(Speedwire)
Date: 2018.08.20
Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 782 MHz; σ = 0.972 S/m; ε_r = 55.608; ρ = 1000 kg/m^3
Phantom section: Flat Section

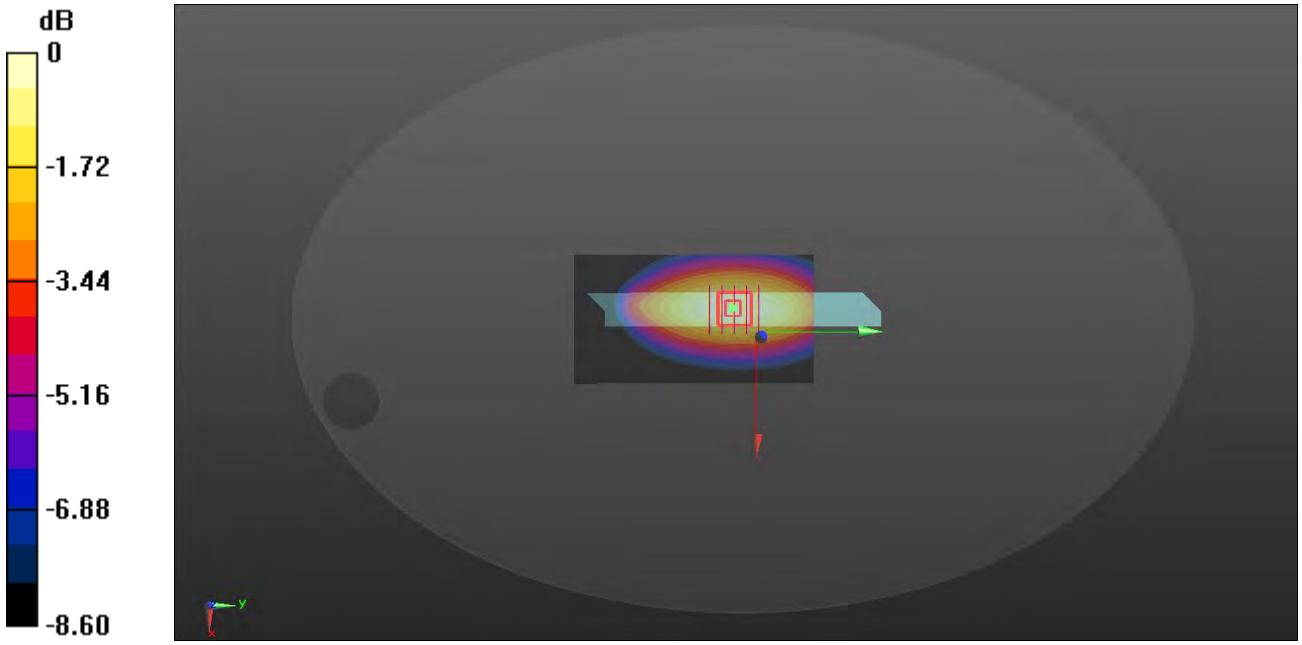
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.53, 10.53, 10.53); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.466 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.92 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.313 W/kg
Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg

MEAS.17 Body Plane with Back Side 0mm on Middle in LTE Band 26 mode with 1RB(Speedwire)
Date: 2018.08.24
Communication System Band: Band 26, E-UTRA/FDD (814.0 - 849.0 MHz); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.983 S/m; ε_r = 56.244; ρ = 1000 kg/m^3
Phantom section: Flat Section

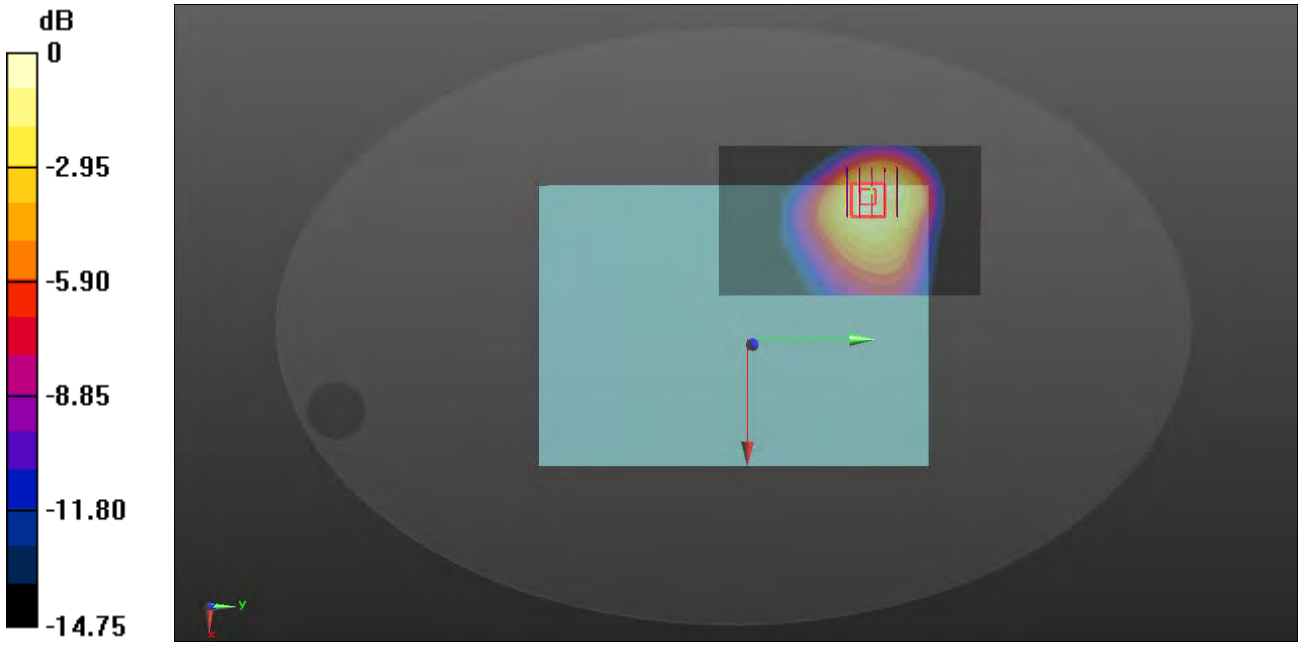
Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.702 W/kg

Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.8330 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.718 W/kg



0 dB = 0.718 W/kg

MEAS.18 Body Plane with Right Edge 5mm on High Channel in LTE Band 26 mode with 1RB(Speedwire)
Date: 2018.08.24
Communication System Band: Band 26, E-UTRA/FDD (814.0 - 849.0 MHz); Frequency: 841.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 841.5 MHz; σ = 1.01 S/m; ε_r = 55.834; ρ = 1000 kg/m^3
Phantom section: Flat Section

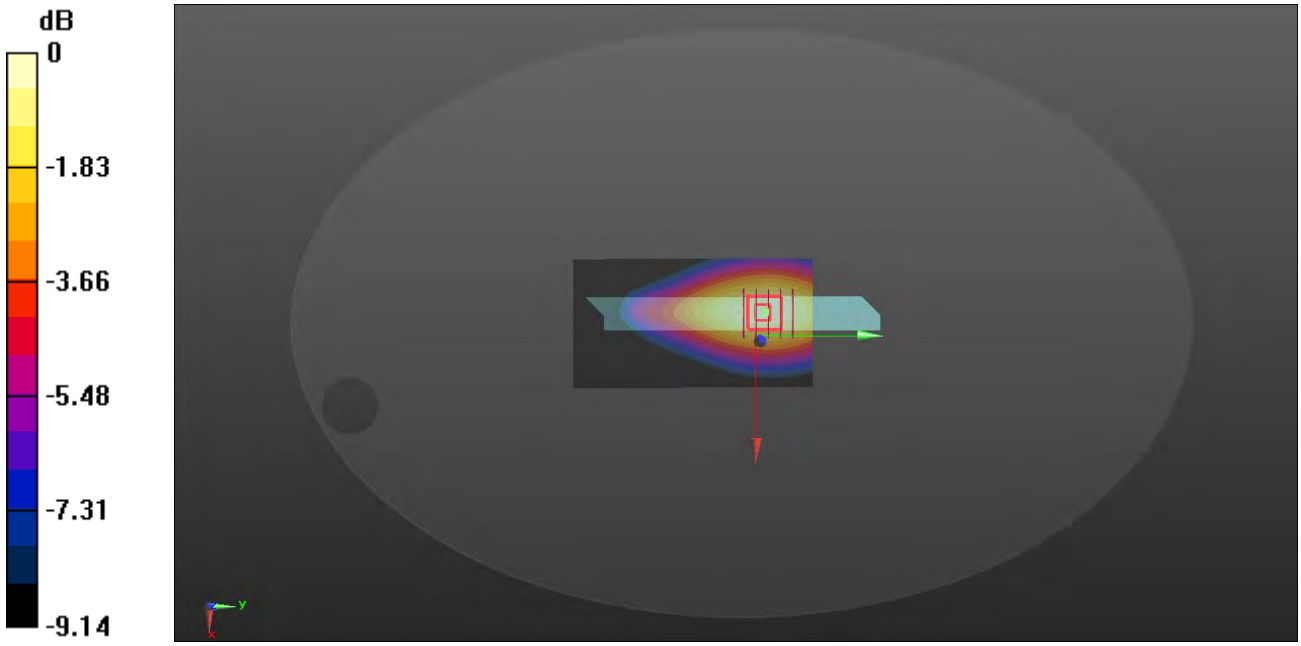
Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.14, 10.14, 10.14); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.550 W/kg

Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.69 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.715 W/kg
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg

MEAS.19 Body Plane with Back Side 0mm on Middle Channel in LTE Band 30 mode with 1RB(South Star)
Date: 2018.09.03
Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2314.0 MHz); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.791 S/m; ε_r = 54.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

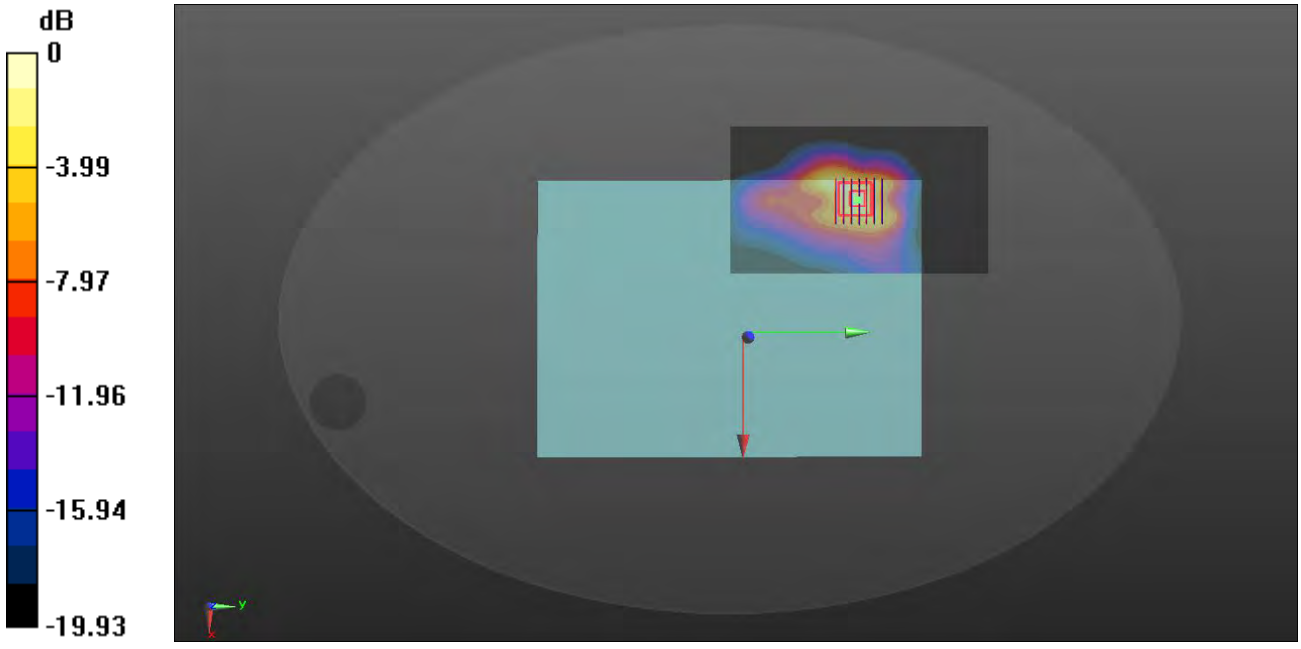
Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.91, 7.91, 7.91); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 27710/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.594 W/kg

Ch 27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.664 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg

MEAS.20 Body Plane with Right Edge 5 mm on Middle Channel in LTE Band 30 mode with 1RB(Speedwire)
Date: 2018.09.03
Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2314.0 MHz); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.791 S/m; ε_r = 54.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

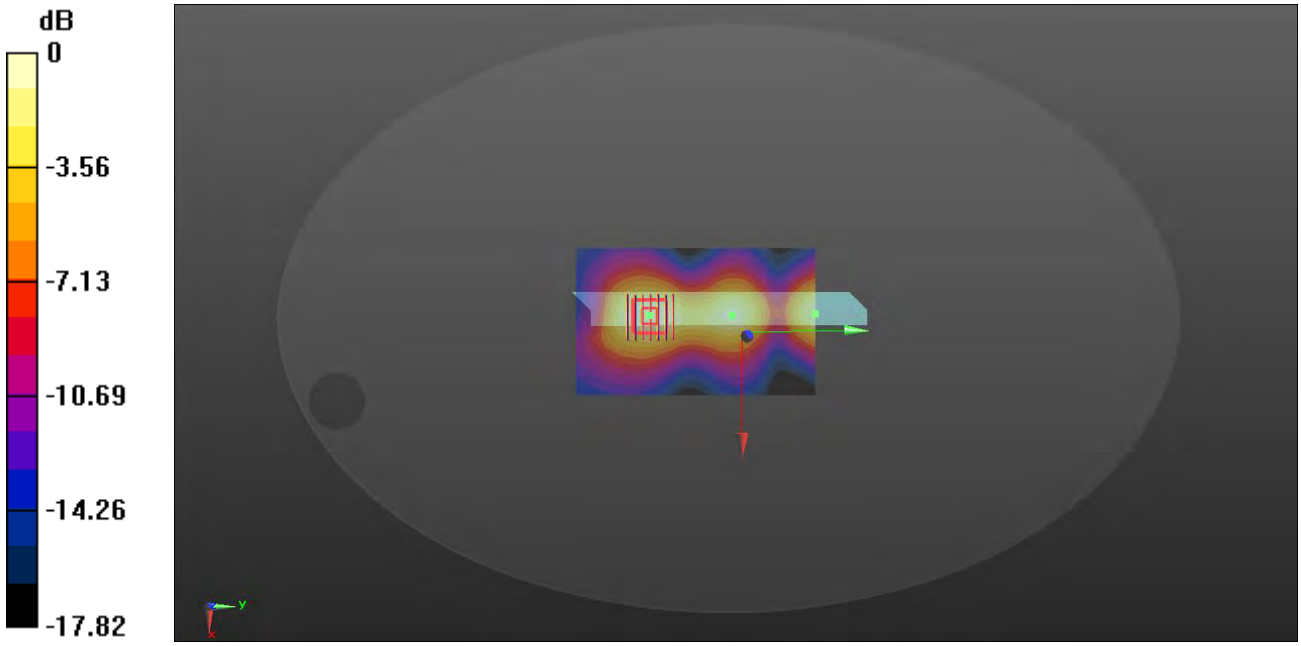
Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.91, 7.91, 7.91); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch27710/Area Scan (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.702 W/kg

Ch27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.64 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.354 W/kg
Maximum value of SAR (measured) = 0.699 W/kg



0 dB = 0.699 W/kg

MEAS.21 Body Plane with Back Side 0mm on Channel 41055 in LTE Band 41 mode with 1RB(Speedwire)
Date: 2018.08.31
Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2636.5 MHz;Duty Cycle: 1:1.58
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.266 S/m; ε_r = 51.996; ρ = 1000 kg/m^3
Phantom section: Flat Section

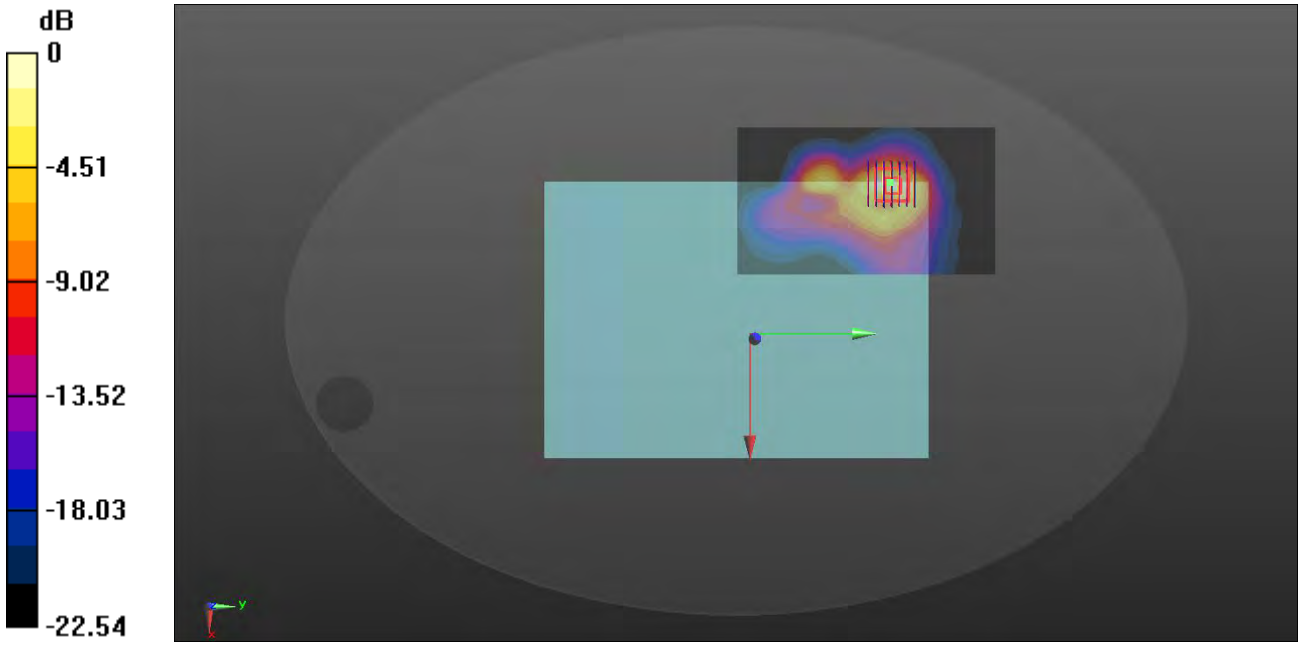
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.33, 7.33, 7.33); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 41055/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.731 W/kg

Ch 41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.088 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.252 W/kg
Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg

MEAS.22 Body Plane with Right Edge 5 mm on Channel 40620 in LTE Band 41 mode with 1RB(Speedwire)
Date: 2018.08.31
Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.161 S/m; ε_r = 52.932; ρ = 1000 kg/m^3
Phantom section: Flat Section

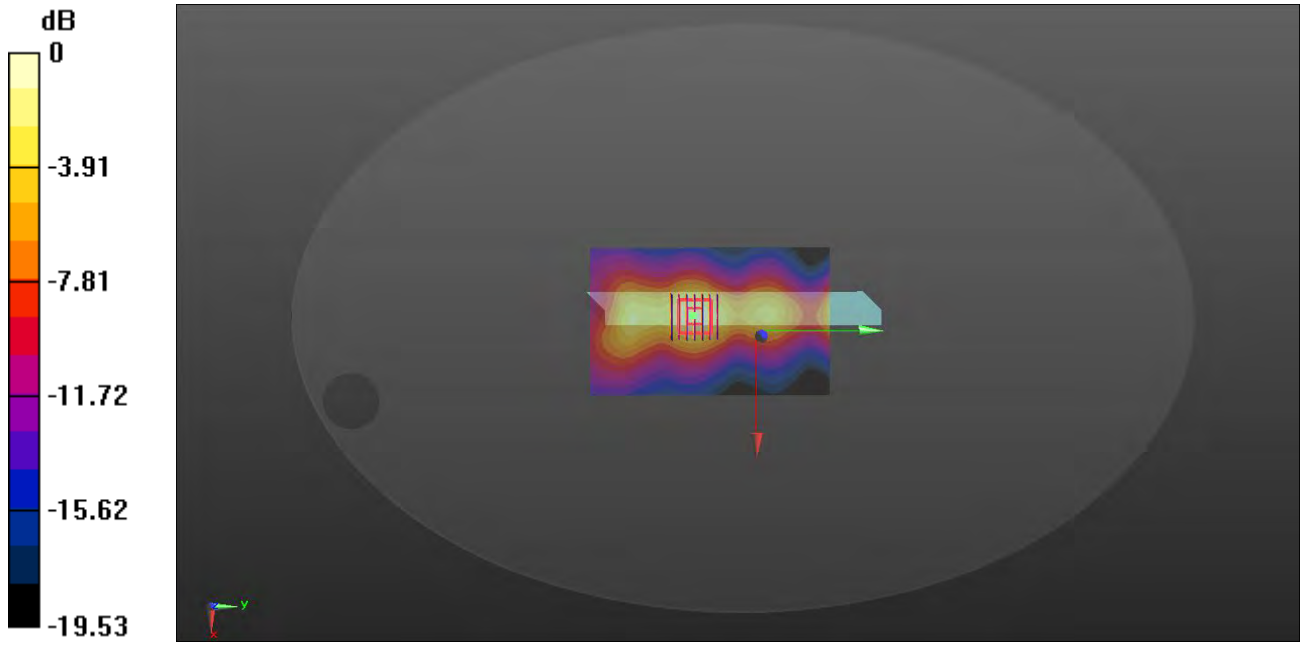
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.33, 7.33, 7.33); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.662 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.10 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.654 W/kg

MEAS.23 Body Plane with Back Side 0mm on High Channel in LTE Band 66 mode with 1RB(South Star)
Date: 2018.08.16
Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1770 MHz; σ = 1.543 S/m; ε_r = 52.608; ρ = 1000 kg/m^3
Phantom section: Flat Section

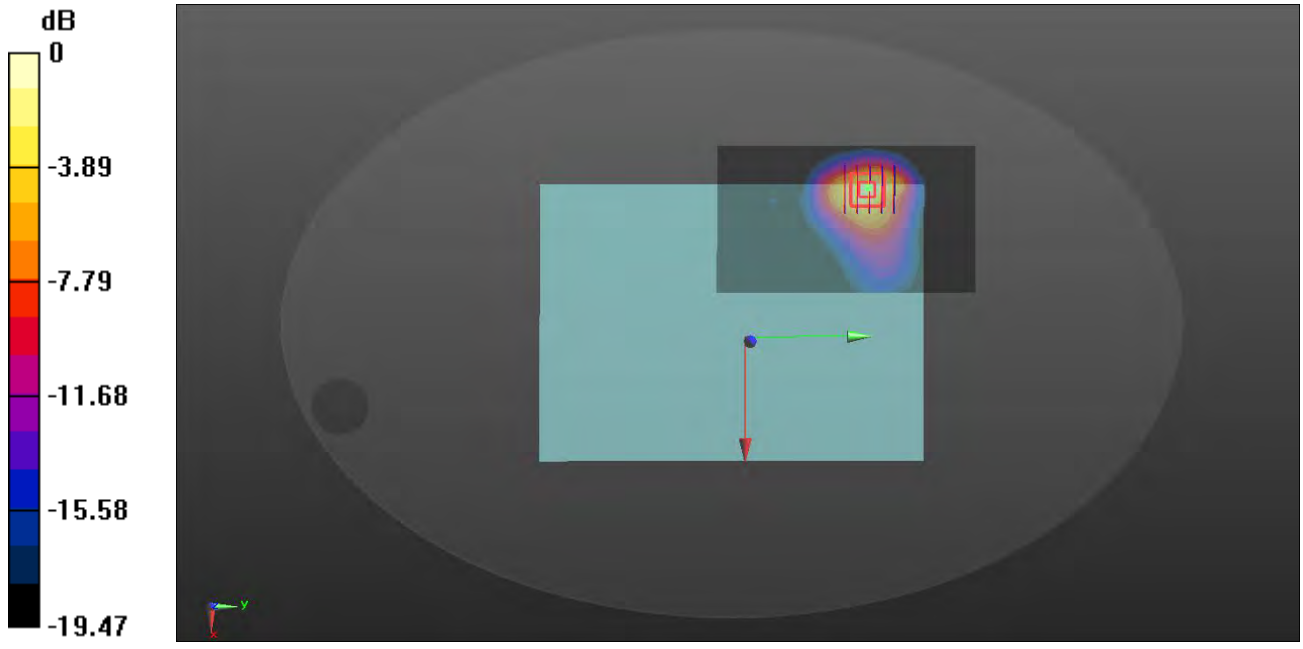
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.2, 8.2, 8.2); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.692 W/kg

Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.7250 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.726 W/kg



0 dB = 0.726 W/kg

MEAS.24 Body Plane with Right Edge 5mm on High Channel in LTE Band 66 mode with 1RB(South Star)
Date: 2018.08.16
Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1770 MHz; σ = 1.543 S/m; ε_r = 52.608; ρ = 1000 kg/m^3
Phantom section: Flat Section

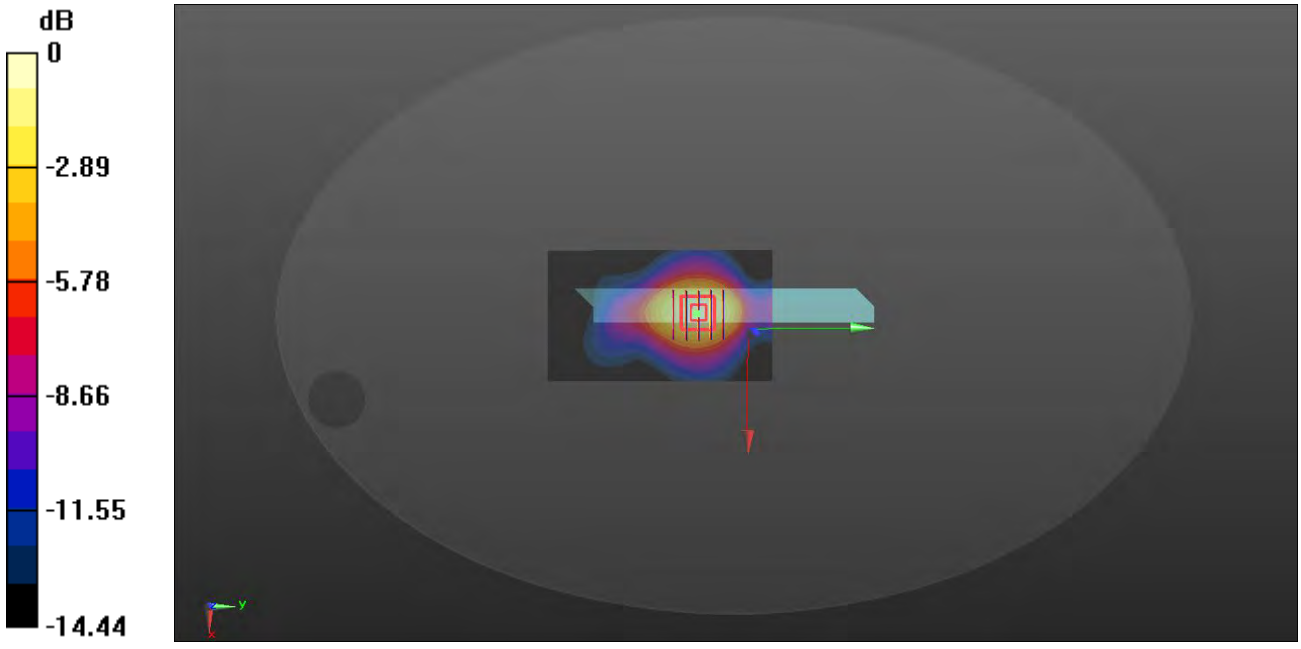
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.2, 8.2, 8.2); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (71x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.823 W/kg

Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.82 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.444 W/kg
Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.821 W/kg

MEAS.25 Body Plane with Back Side 0mm on Channel 1 in IEEE802.11b mode with Main Antenna
Date: 2018.08.06
Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.011
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.863 S/m; ε_r = 53.602; ρ = 1000 kg/m^3
Phantom section: Flat Section

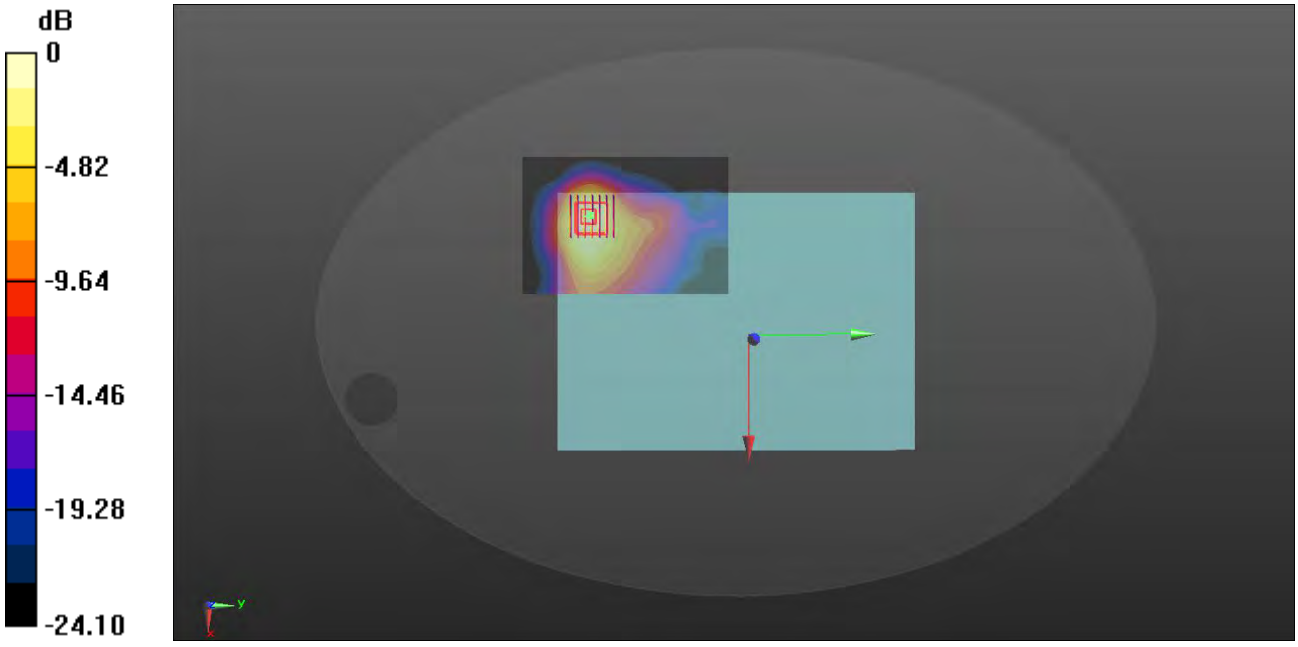
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.046 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.9310 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 0.893 W/kg



0 dB = 0.893 W/kg

MEAS.26 Body Plane with Back Side 0mm on Channel 11 in IEEE802.11b mode with Aux Antenna
Date: 2018.08.06
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.011
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.991 S/m; ε_r = 52.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

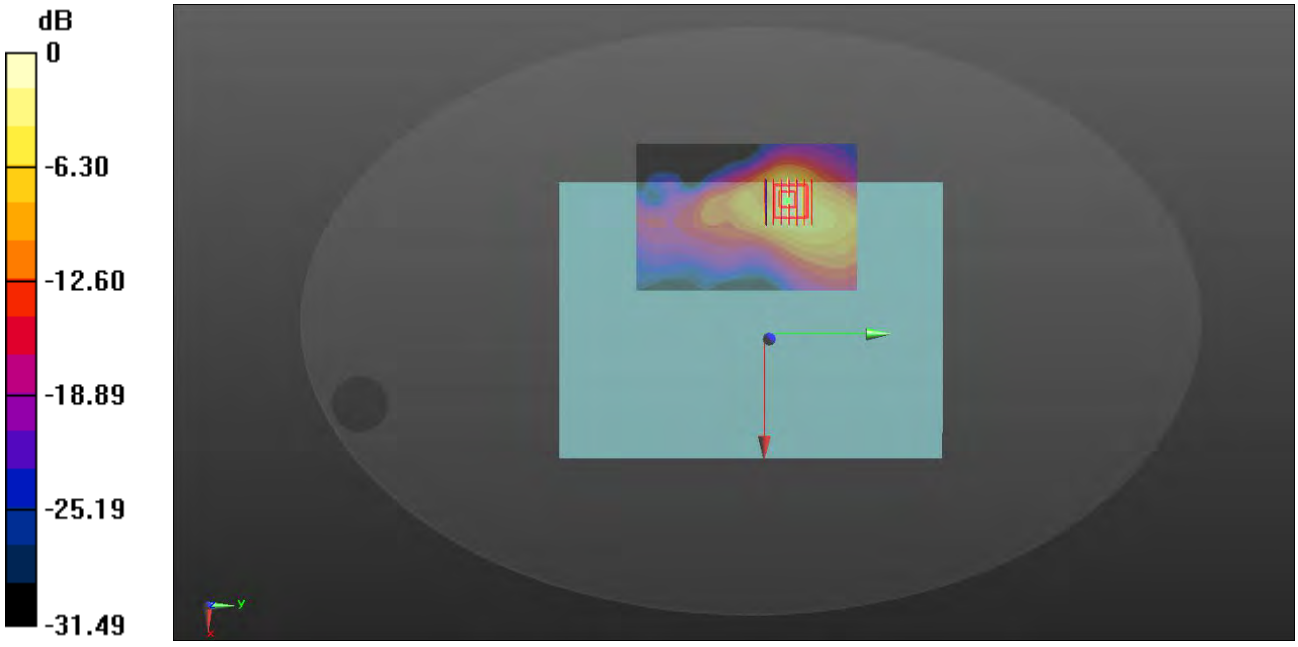
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.547 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.344 W/kg
Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg

MEAS.27 Body Plane with Back Side 15mm on Channel 11 in IEEE802.11b mode with Main Antenna
Date: 2018.08.06
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.011
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.991 S/m; ε_r = 52.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

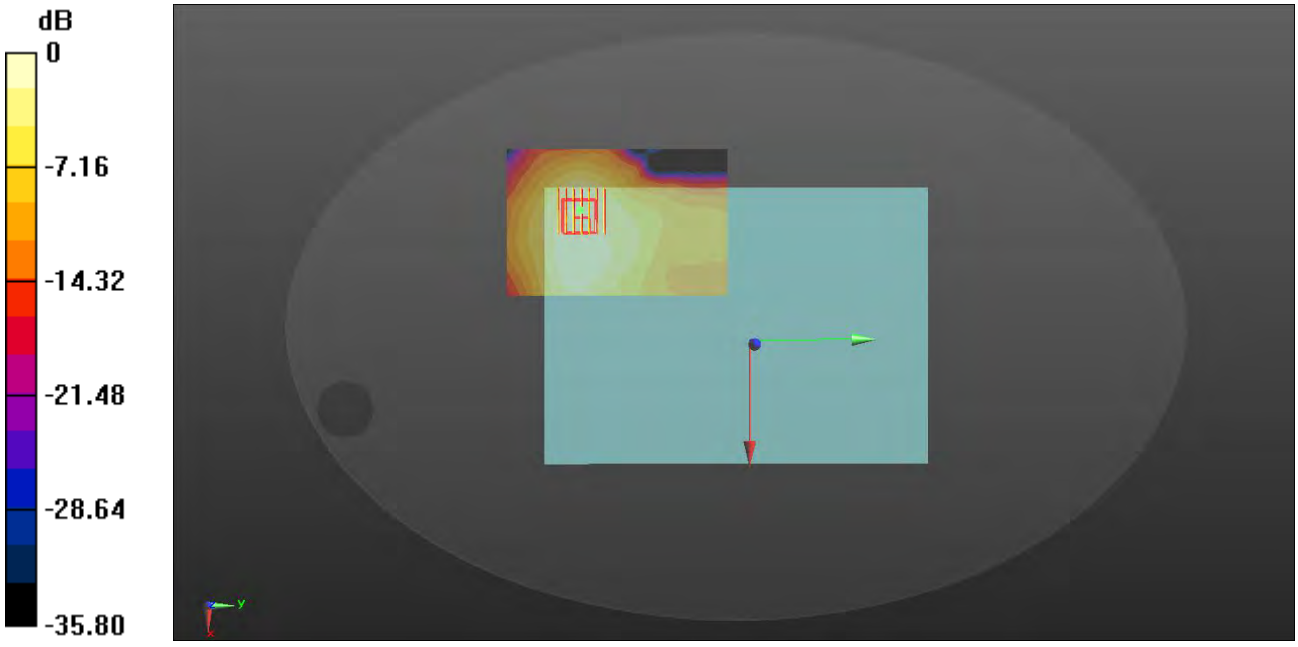
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0694 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.102 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.035 W/kg
Maximum value of SAR (measured) = 0.0737 W/kg



0 dB = 0.0737 W/kg

MEAS.28 Body Plane with Back Side 15mm on Channel 11 in IEEE802.11b mode with Aux Antenna
Date: 2018.08.06
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.011
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.991 S/m; ε_r = 52.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

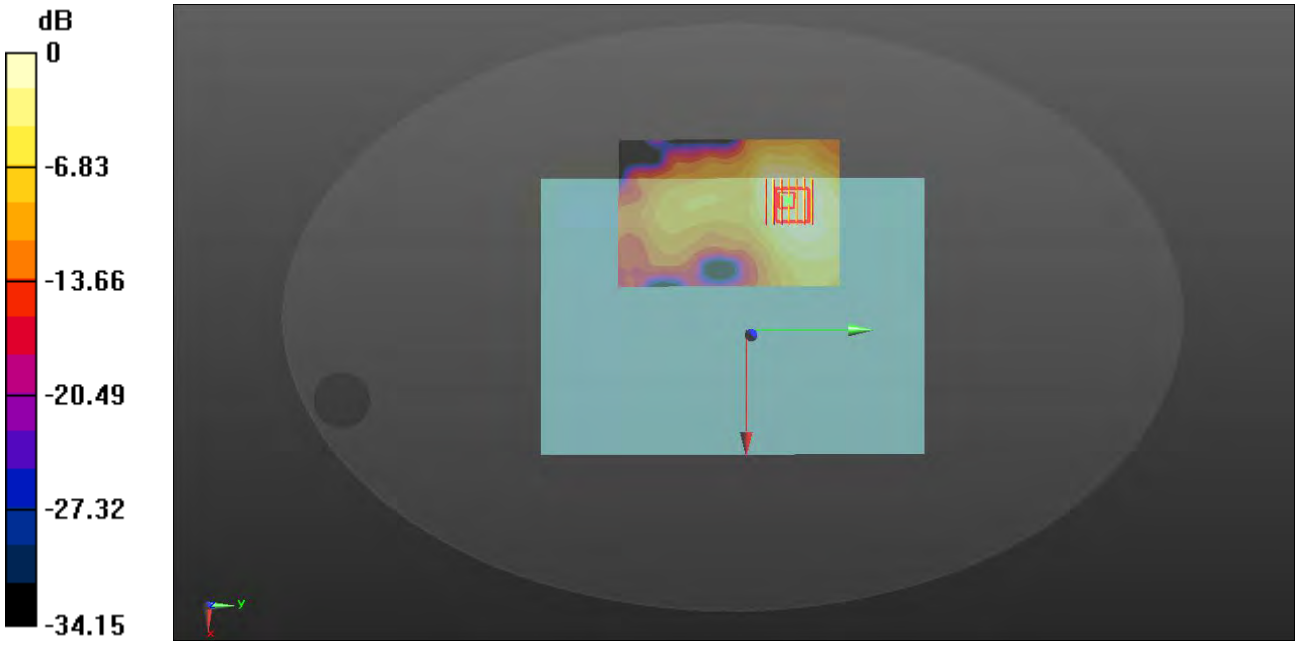
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0712 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.363 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.034 W/kg
Maximum value of SAR (measured) = 0.0682 W/kg



0 dB = 0.0682 W/kg

MEAS.29 Body Plane with Back Side 0mm on Channel 58 in IEEE802.11ac(VHT80) mode with Main Antenna
Date: 2018.09.04
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.057
Medium parameters used: f = 5290 MHz; σ = 5.287 S/m; ε_r = 50.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

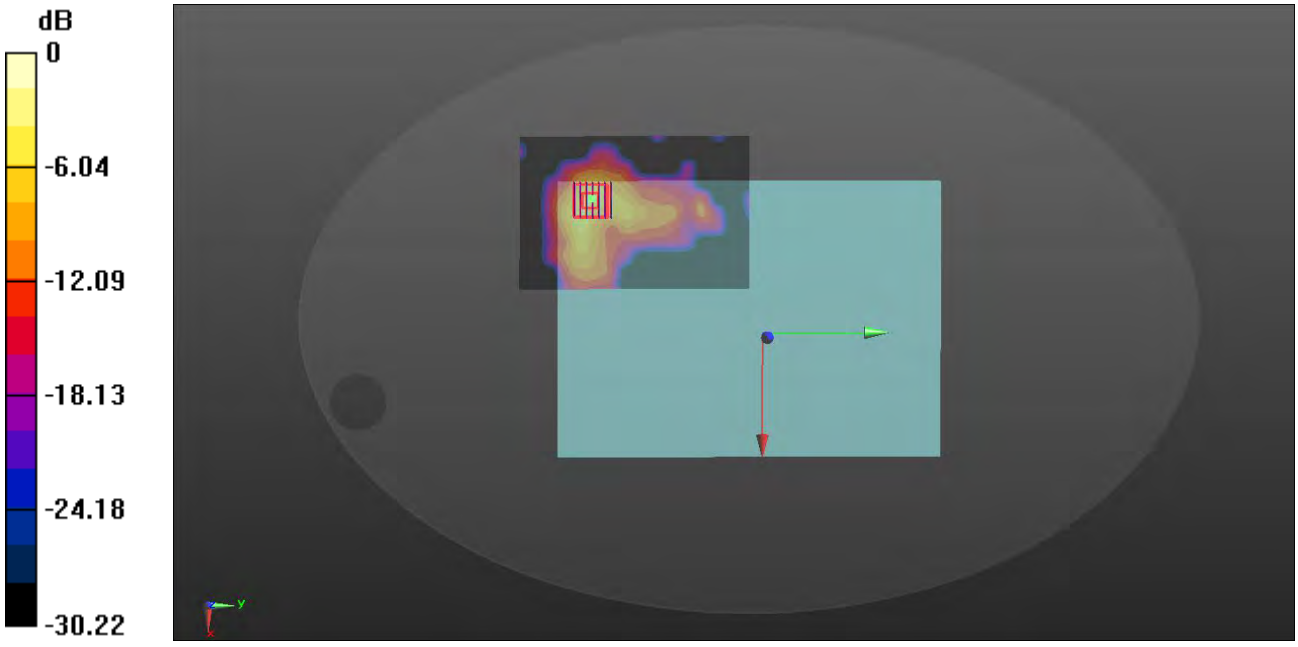
Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.964 W/kg

Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.428 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 1.625 W/kg



0 dB = 1.625 W/kg

MEAS.30 Body Plane with Back Side 0mm on Channel 58 in IEEE802.11ac(VHT80) mode with Aux Antenna
Date: 2018.09.04
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.057
Medium parameters used: f = 5290 MHz; σ = 5.287 S/m; ε_r = 50.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

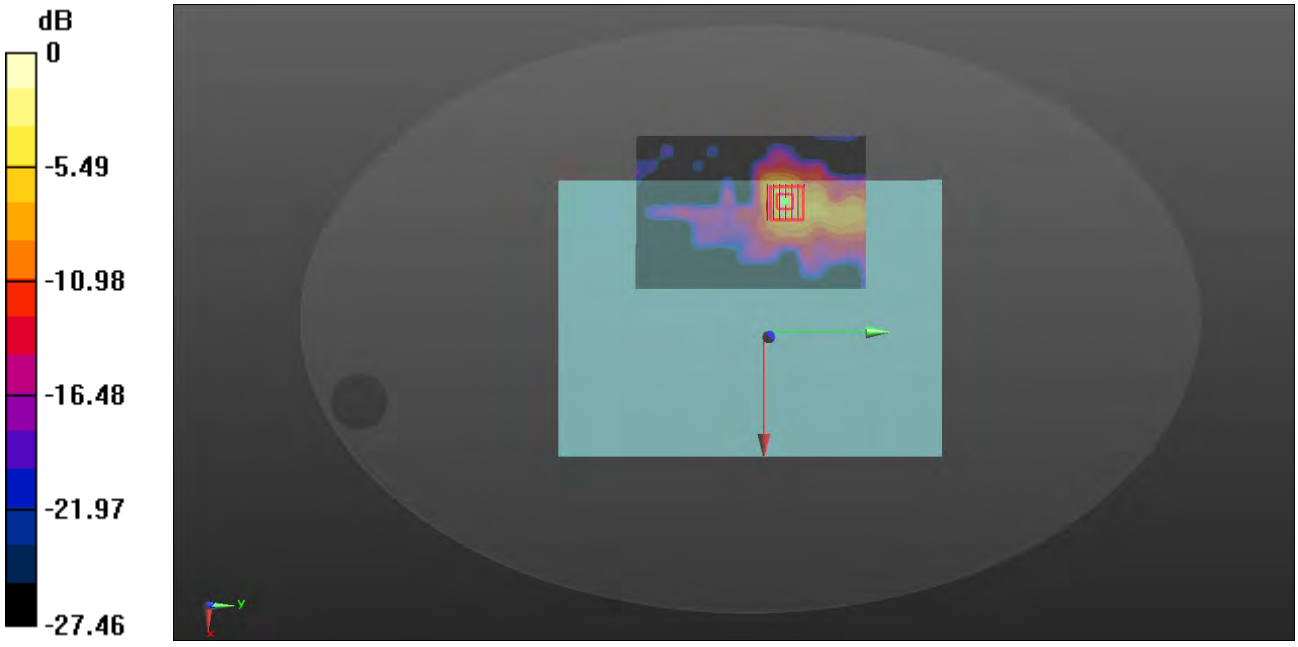
Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.891 W/kg

Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.921 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.289 W/kg
Maximum value of SAR (measured) = 1.792 W/kg



0 dB = 1.792 W/kg

MEAS.31 Body Plane with Back Side 15mm on Channel 58 in IEEE802.11ac(VHT80) mode with Main Antenna

Date: 2018.09.04

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.057

Medium parameters used: f = 5290 MHz; σ = 5.287 S/m; ε_r = 50.23; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.109 W/kg

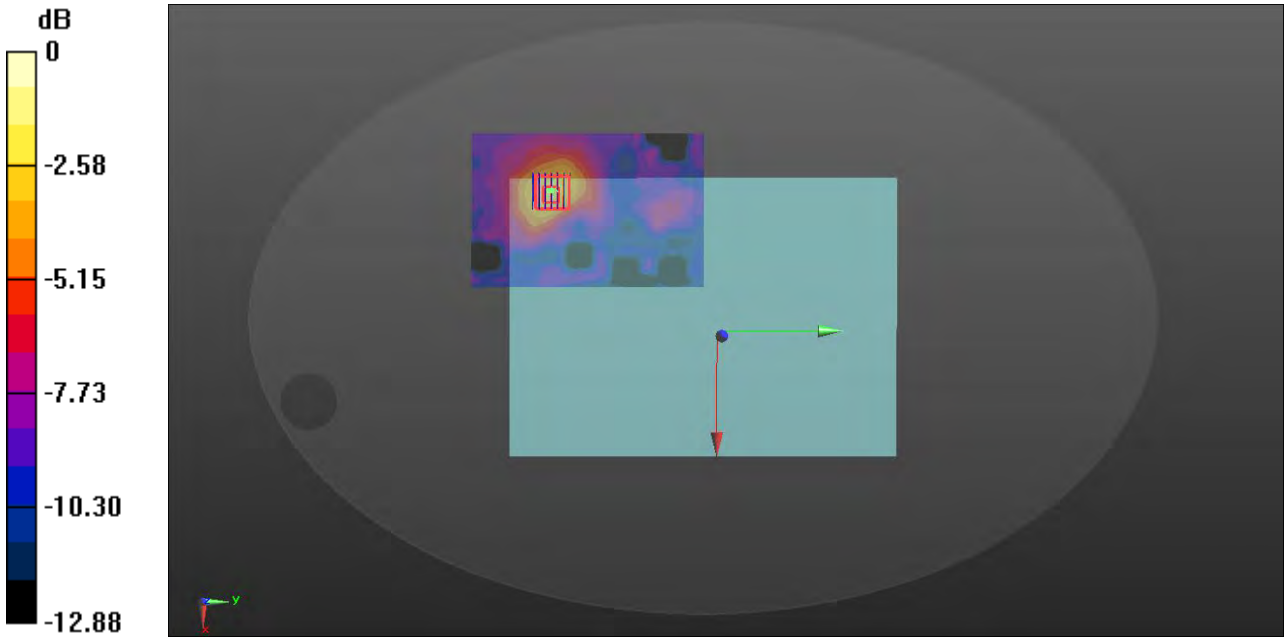
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.567 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

MEAS.32 Body Plane with Back Side 15mm on Channel 58 in IEEE802.11ac(VHT80) mode with Aux Antenna
Date: 2018.09.04
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.057
Medium parameters used: f = 5290 MHz; σ = 5.287 S/m; ε_r = 50.23; ρ = 1000 kg/m^3
Phantom section: Flat Section

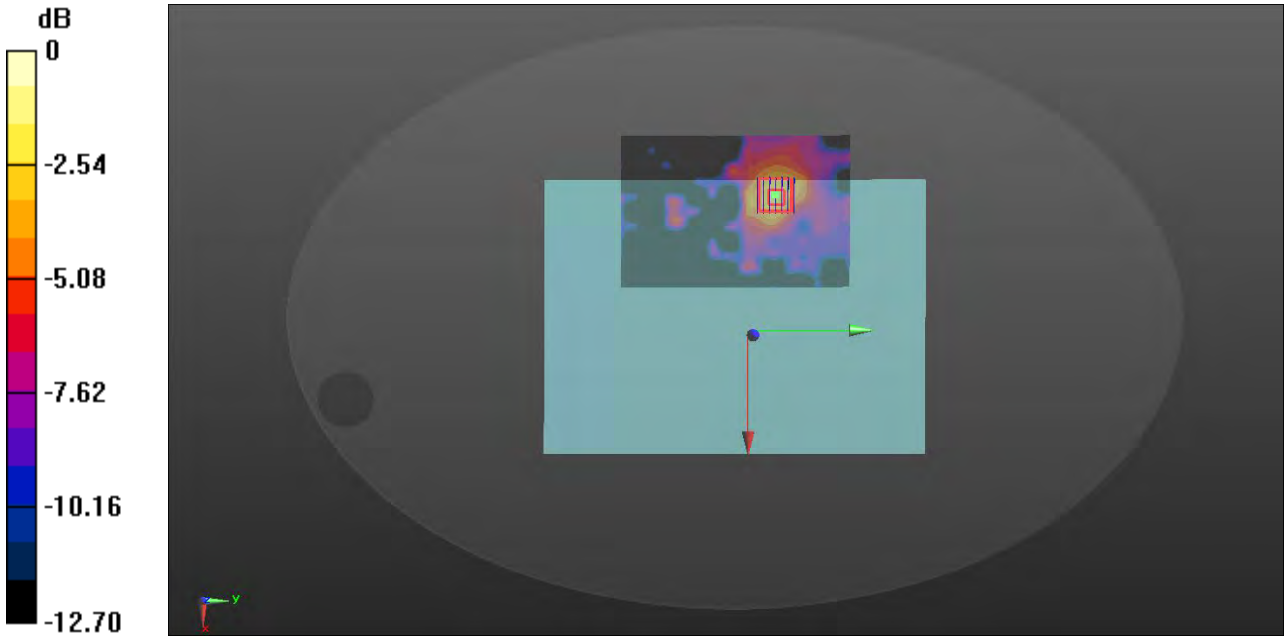
Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0964 W/kg

Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.521 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.368 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.045 W/kg
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

MEAS.33 Body Plane with Back Side 0mm on Channel 138 in IEEE802.11ac(VHT80) mode with Main Antenna

Date: 2018.09.07

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.057

Medium parameters used (interpolated): f = 5690 MHz; σ = 6.01 S/m; ε_r = 48.547; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.564 W/kg

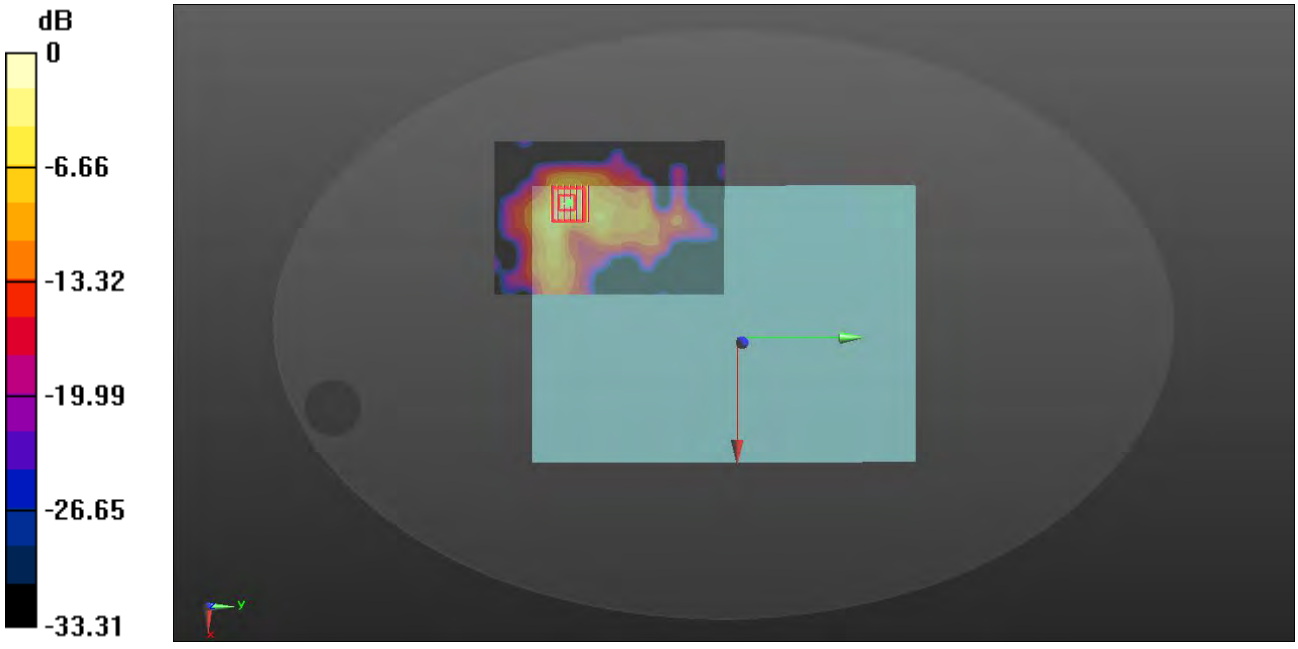
Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.335 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

MEAS.34 Body Plane with Back Side 0mm on Channel 138 in IEEE802.11ac(VHT80) mode with Aux Antenna
Date: 2018.09.07
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.057
Medium parameters used (interpolated): f = 5690 MHz; σ = 6.01 S/m; ε_r = 48.547; ρ = 1000 kg/m^3
Phantom section: Flat Section

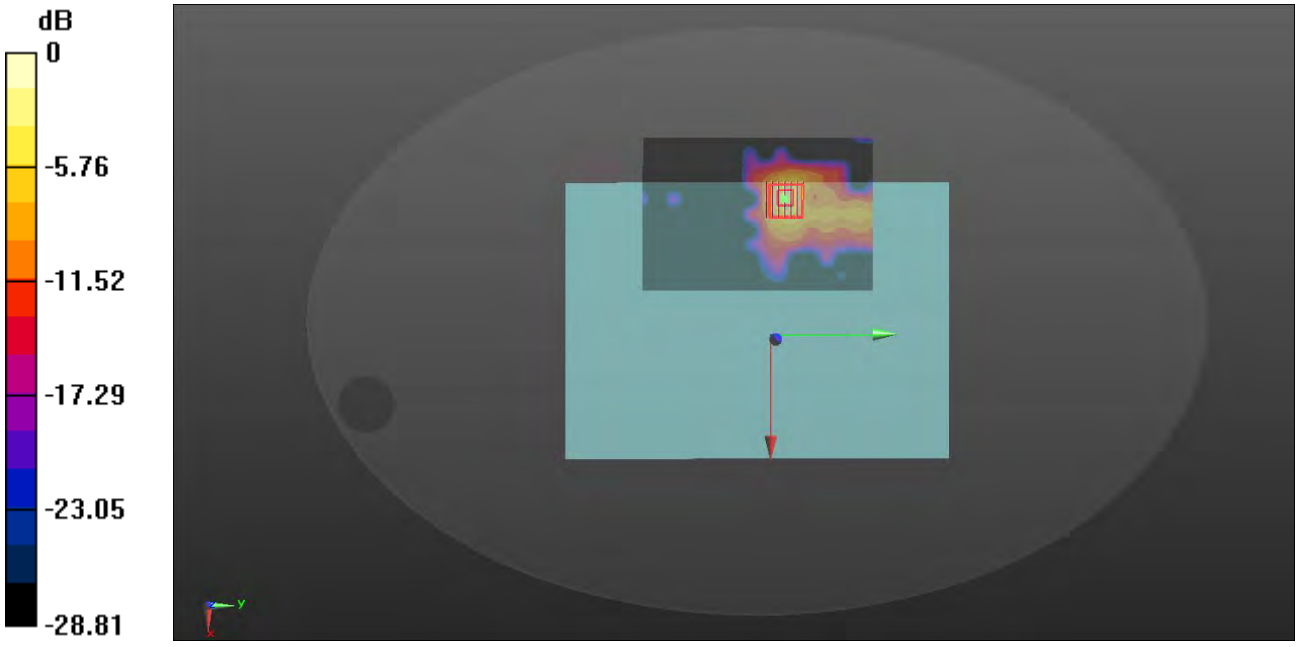
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.817 W/kg

Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.657 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 4.36 W/kg
SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 1.615 W/kg



0 dB = 1.615 W/kg

MEAS.35 Body Plane with Top Edge 15mm on Channel 138 in IEEE802.11ac(VHT80) mode with Main Antenna

Date: 2018.09.07

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.057

Medium parameters used (interpolated): f = 5690 MHz; σ = 6.01 S/m; ε_r = 48.547; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 138/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.138 W/kg

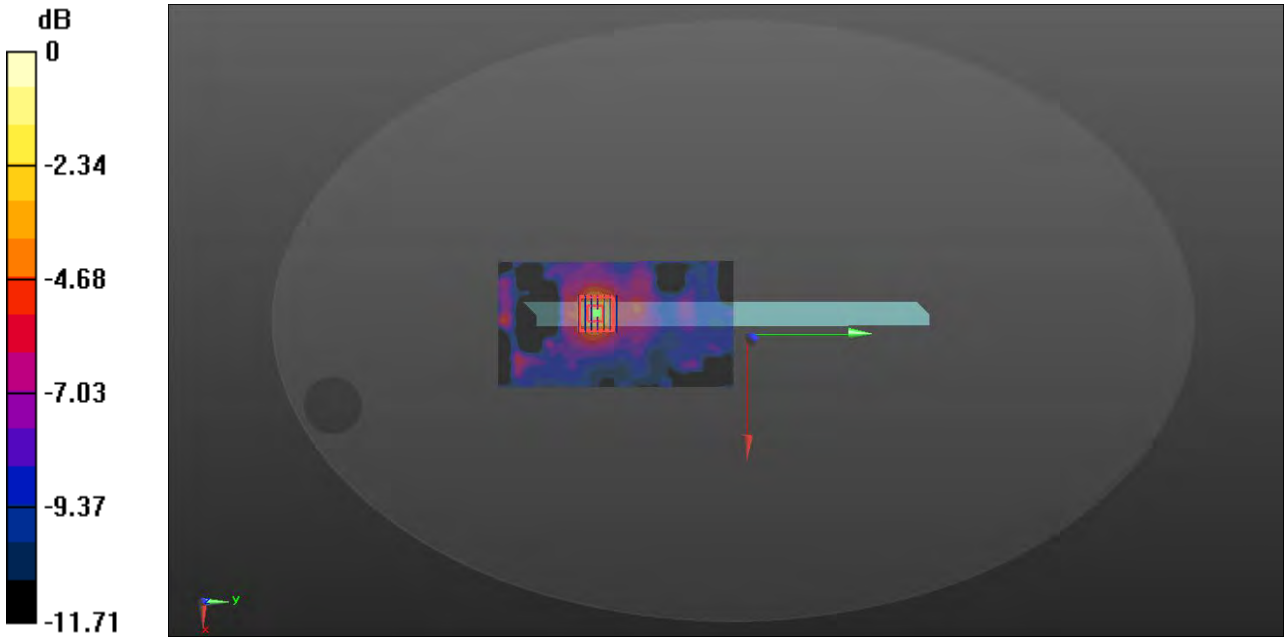
Ch 138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.788 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg

MEAS.36 Body Plane with Back Side 15 mm on Channel 138 in IEEE802.11ac(VHT80) mode with Aux Antenna

Date: 2018.09.07

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.057

Medium parameters used (interpolated): f = 5690 MHz; σ = 6.01 S/m; ε_r = 48.547; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.215 W/kg

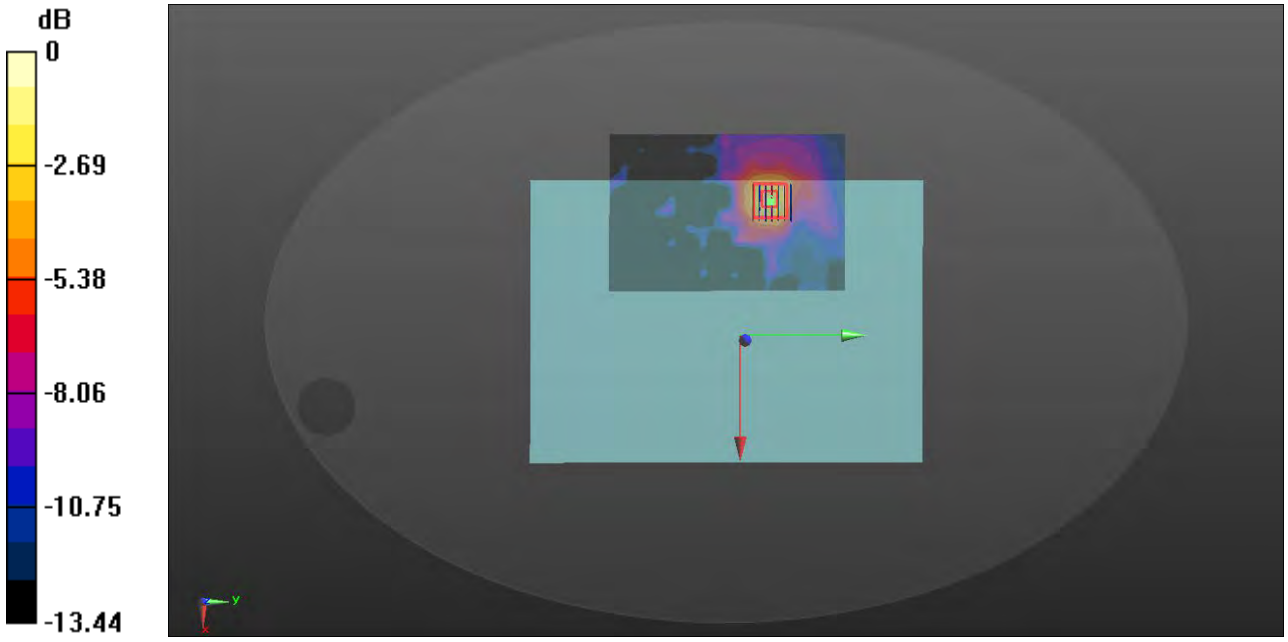
Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.574 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.940 W/kg

SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.390 W/kg



0 dB = 0.390 W/kg

MEAS.37 Body Plane with Back Side 0mm on Channel 155 in IEEE802.11ac(VHT80) mode with Main Antenna

Date: 2018.09.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.057

Medium parameters used: f = 5775 MHz; σ = 6.077 S/m; ε_r = 47.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.536 W/kg

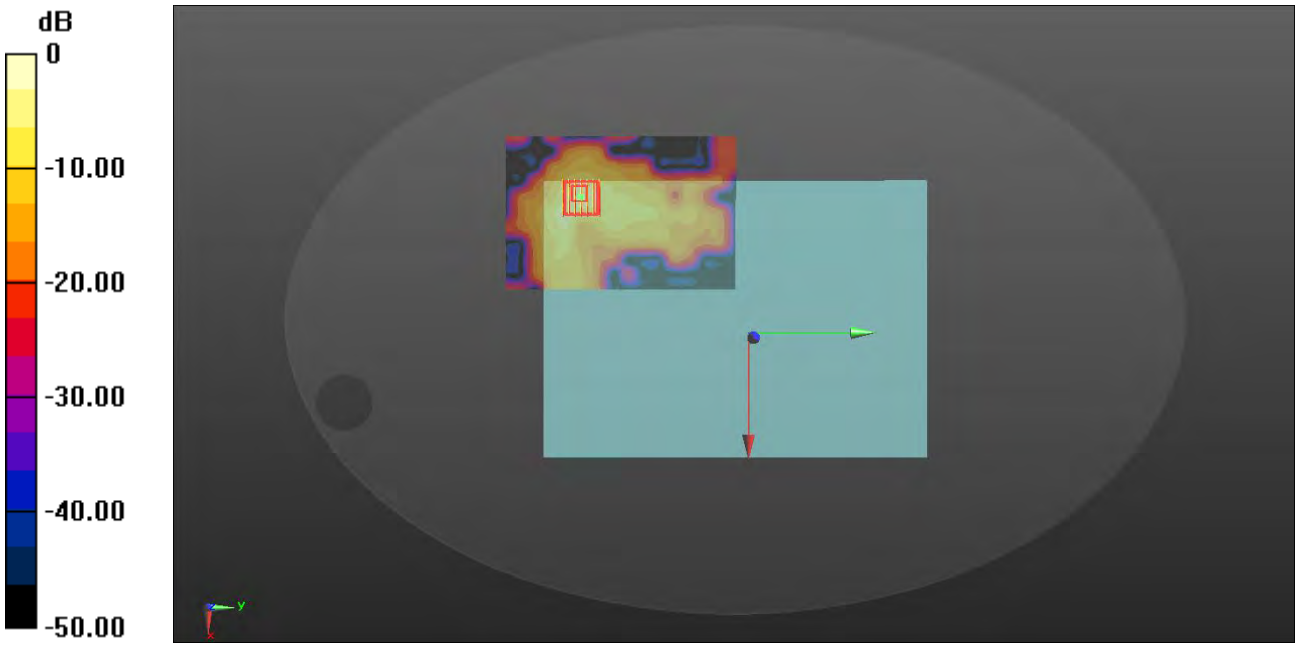
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.706 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.35 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg

MEAS.38 Body Plane with Back Side 0mm on Channel 155 in IEEE802.11ac(VHT80) mode with Aux Antenna
Date: 2018.09.08
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.057
Medium parameters used: f = 5775 MHz; σ = 6.077 S/m; ε_r = 47.017; ρ = 1000 kg/m^3
Phantom section: Flat Section

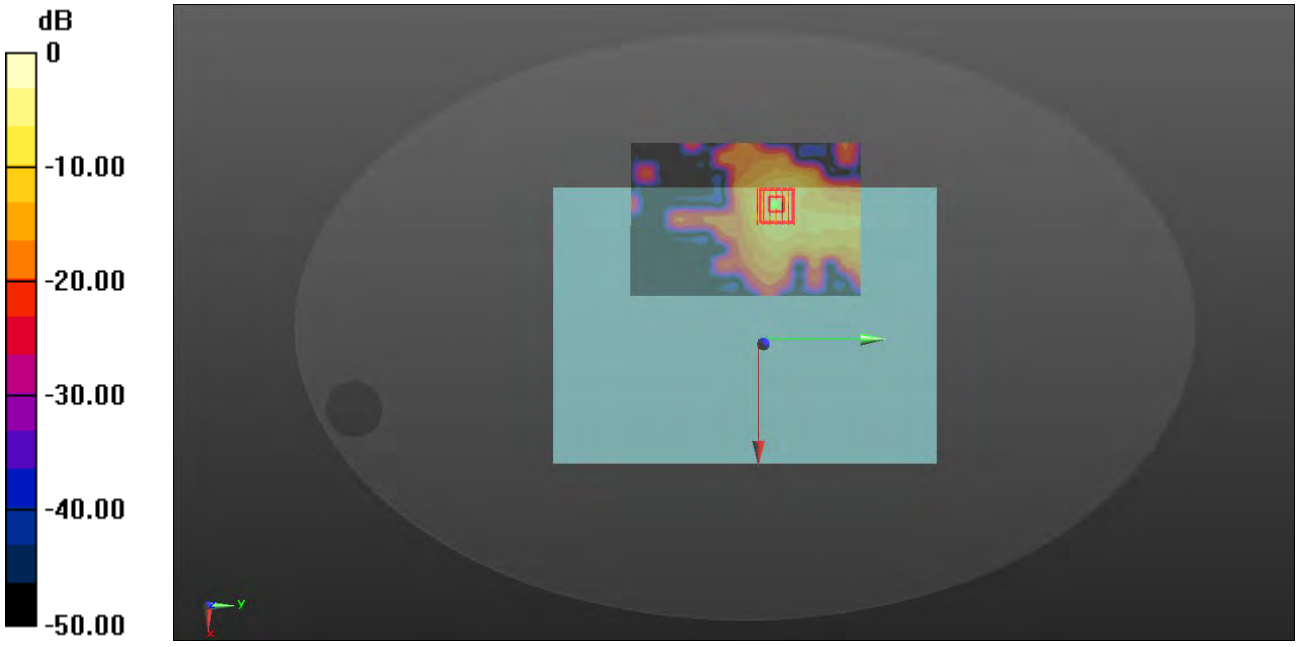
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.884 W/kg

Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.183 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 7.03 W/kg
SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg

MEAS.39 Body Plane with Back Side 15mm on Channel 155 in IEEE802.11ac(VHT80) mode with Main Antenna

Date: 2018.09.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.057

Medium parameters used: f = 5775 MHz; σ = 6.077 S/m; ε_r = 47.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.153 W/kg

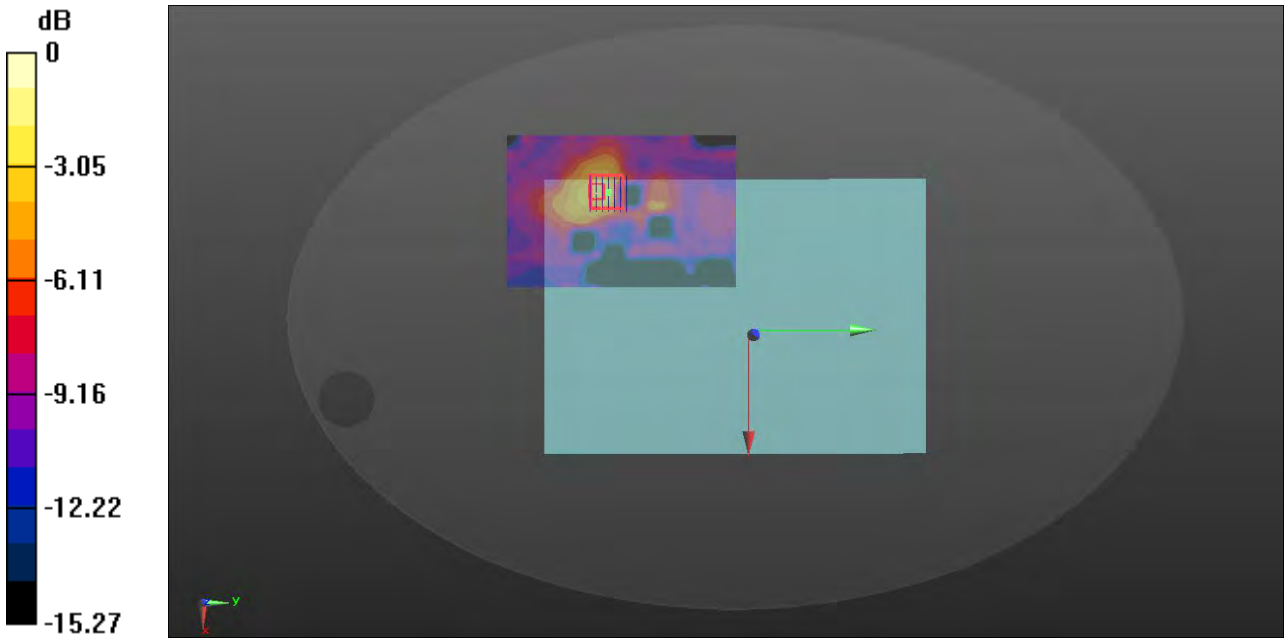
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.104 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.247 W/kg

MEAS.40 Body Plane with Back Side 15mm on Channel 155 in IEEE802.11ac(VHT80) mode with Aux Antenna

Date: 2018.09.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.057

Medium parameters used: f = 5775 MHz; σ = 6.077 S/m; ε_r = 47.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.239 W/kg

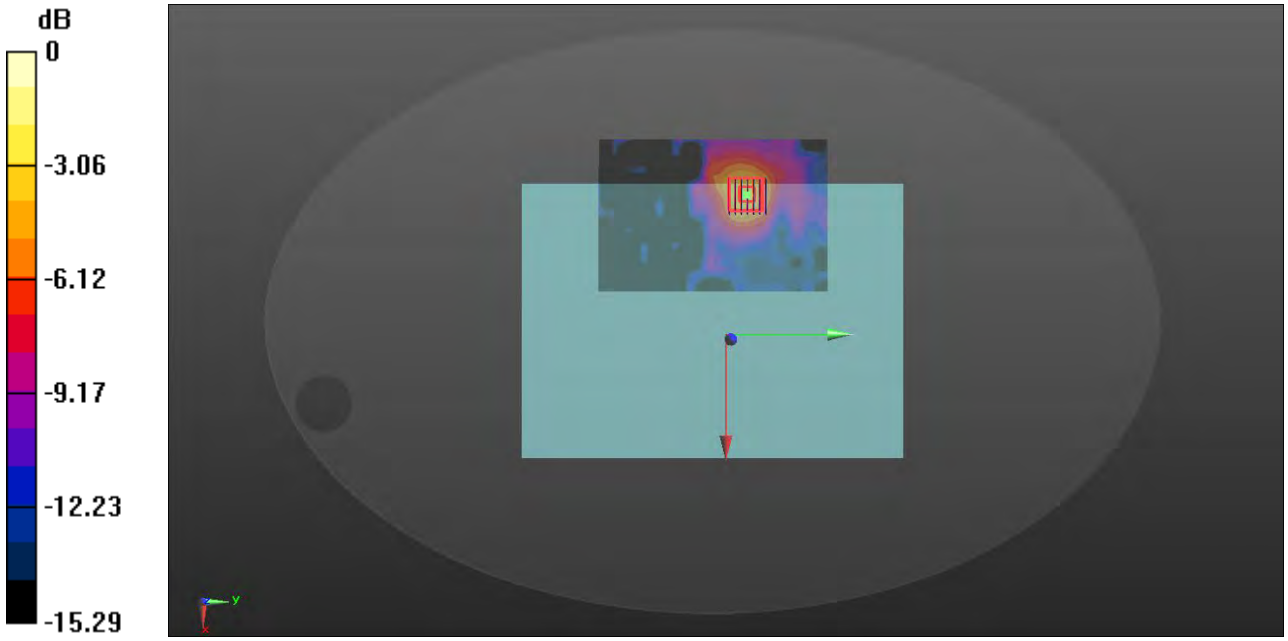
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.107 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg

MEAS.41 Body Plane with Back Side 0mm on Middle Channel in Bluetooth mode
Date: 2018.08.06
Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.954 S/m; ε_r = 52.983; ρ = 1000 kg/m^3
Phantom section: Flat Section

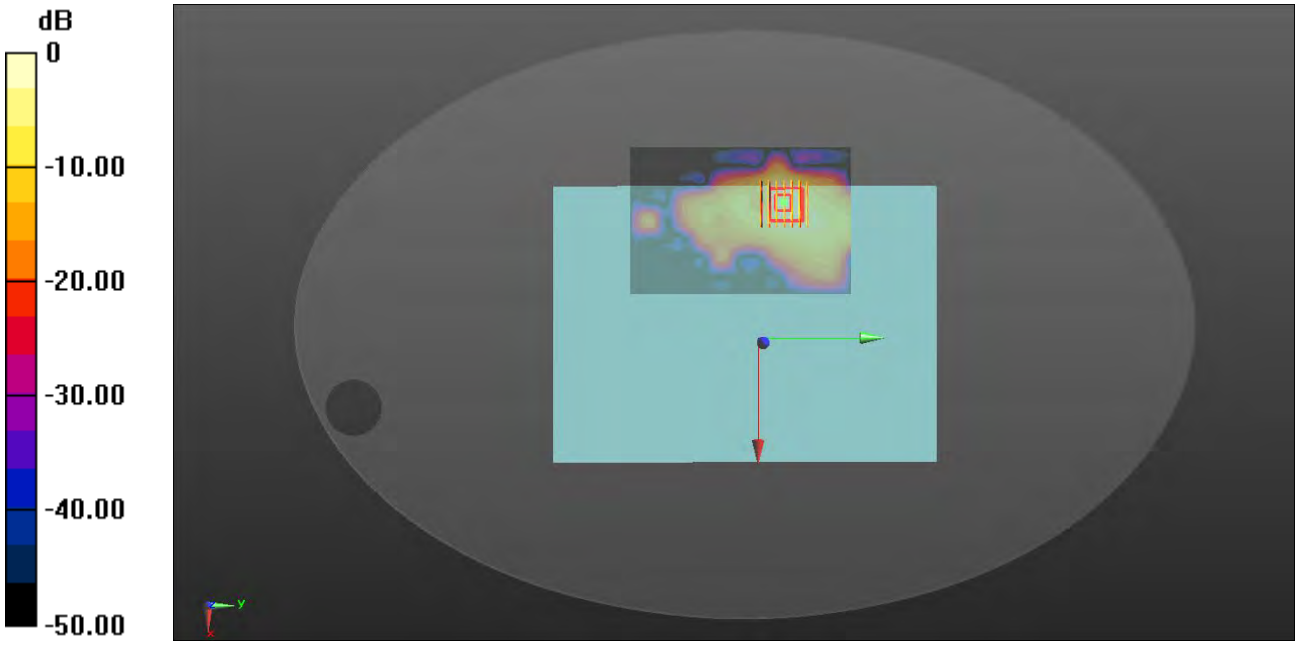
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0881 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7600 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0794 W/kg



0 dB = 0.0794 W/kg

MEAS.42 Body Plane with Back Side 15mm on Middle Channel in Bluetooth mode
Date: 2018.08.06
Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.954 S/m; ε_r = 52.983; ρ = 1000 kg/m^3
Phantom section: Flat Section

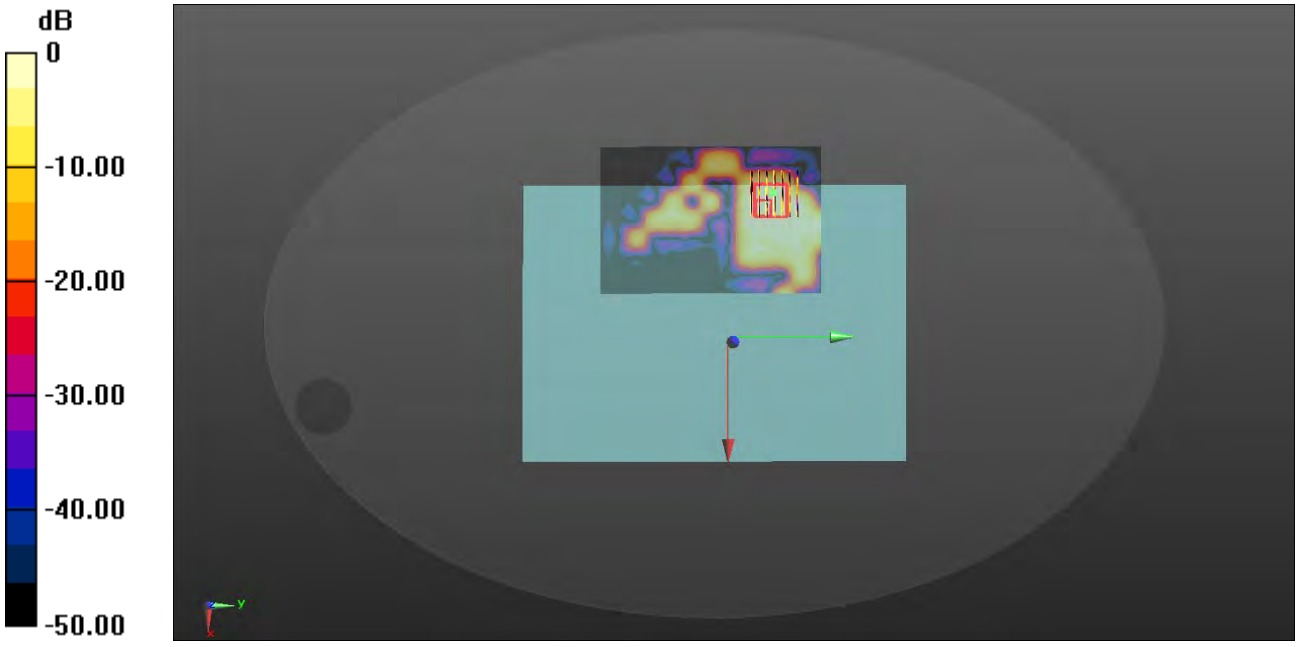
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00721 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.146 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0230 W/kg
SAR(1 g) = 0.00475 W/kg; SAR(10 g) = 0.002 W/kg
Maximum value of SAR (measured) = 0.00524 W/kg



0 dB = 0.00524 W/kg

MEAS.43 Body Plane with Back Side 0mm on Channel 1 in IEEE802.11b mode with Main Antenna (Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.887 S/m; ε_r = 51.894; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.018 W/kg

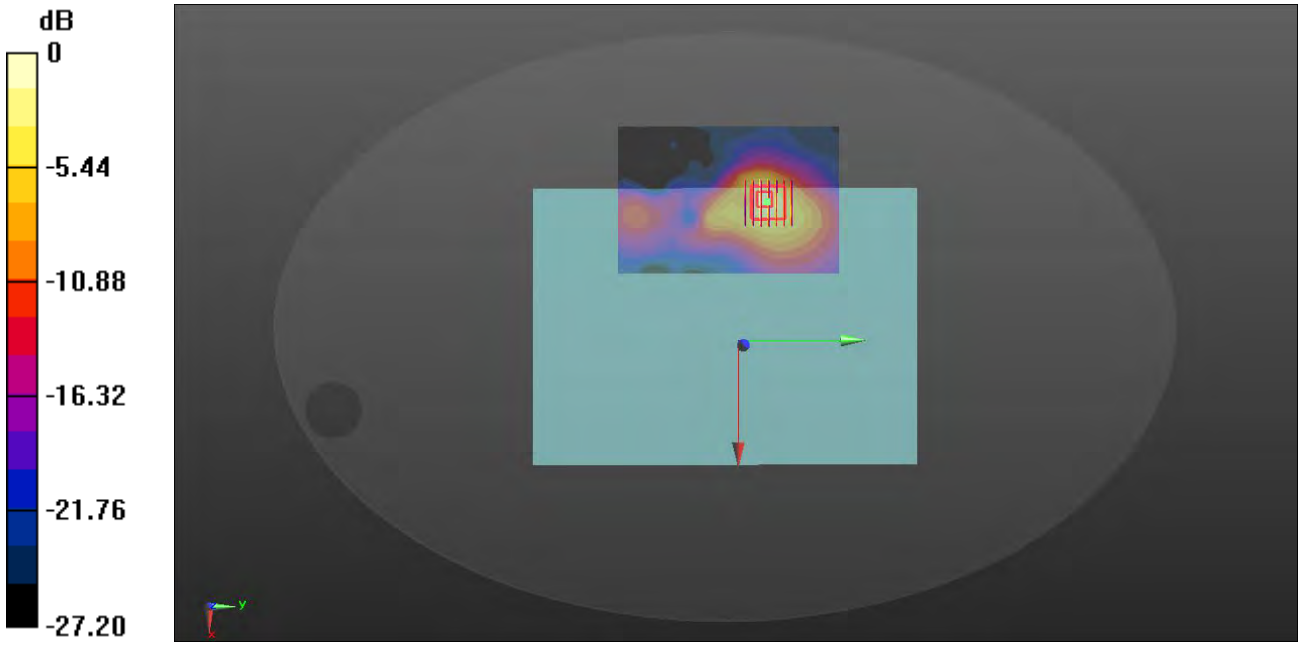
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.376 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.350 W/kg

Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

MEAS.44 Body Plane with Back Side 0mm on Channel 11 in IEEE802.11b mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.992 S/m; ε_r = 50.971; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

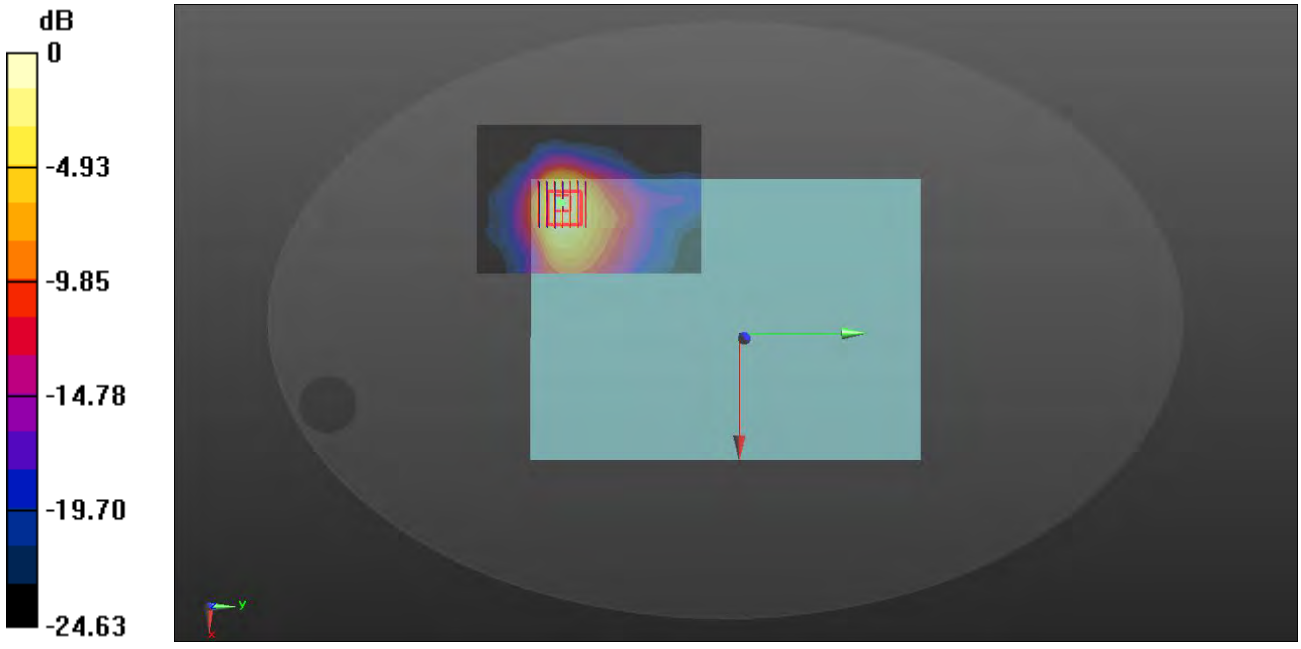
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.290 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.446 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

MEAS.45 Body Plane with Back Side 15mm on Channel 1 in IEEE802.11b mode with Mian Antenna(Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.887 S/m; ε_r = 51.894; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0606 W/kg

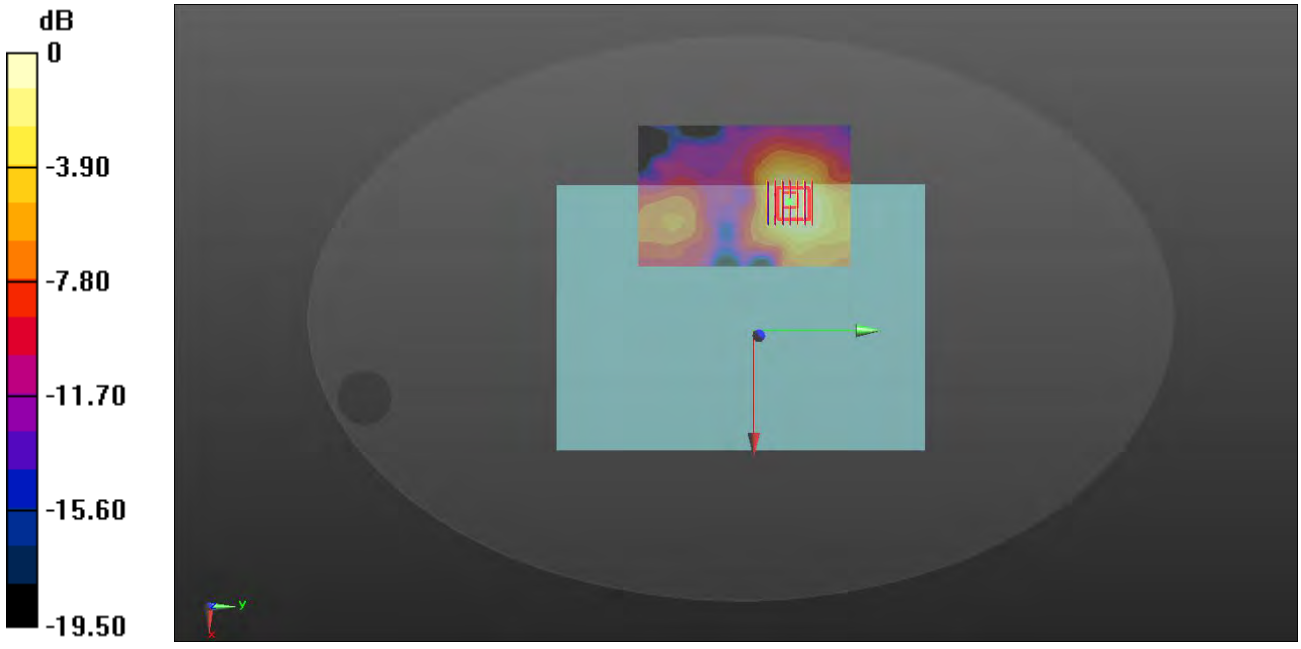
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.667 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.0584 W/kg



0 dB = 0.0584 W/kg

MEAS.46 Body Plane with Back Side 15mm on Channel 11 in IEEE802.11b mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.992 S/m; ε_r = 50.971; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.122 W/kg

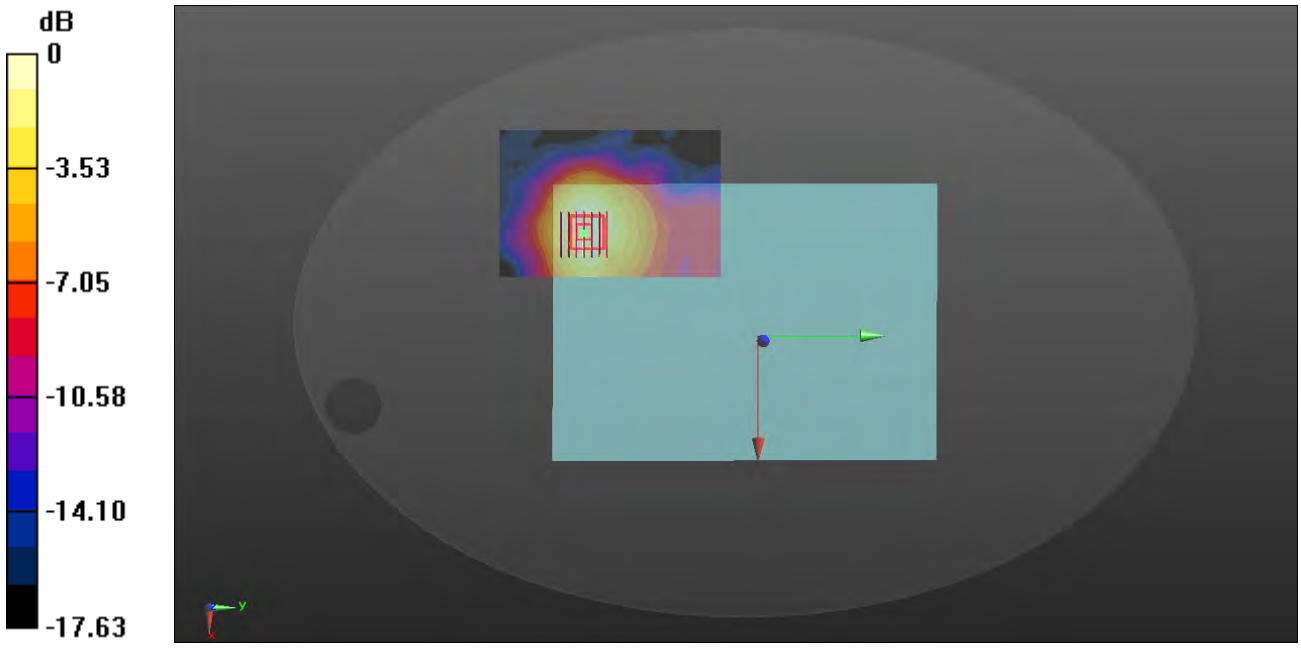
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.667 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg

MEAS.47 Body Plane with Back Side 0mm on Channel 58 in IEEE802.11ac(VHT80) mode with Main Antenna (Intel8265 Speedwire)

Date: 2018.08.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5290 MHz; σ = 5.289 S/m; ε_r = 48.764; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.963 W/kg

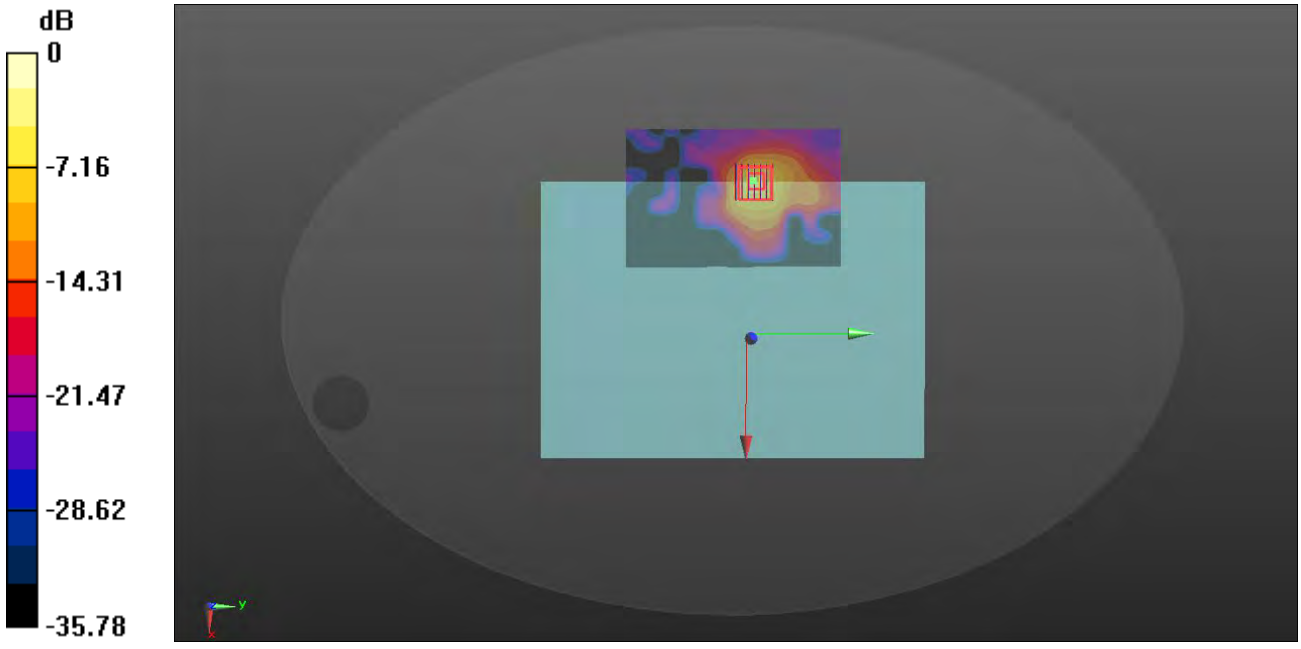
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8980 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.84 W/kg

SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg

MEAS.48 Body Plane with Top Edge 0mm on Channel 58 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)
Date: 2018.08.08
Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.046
Medium parameters used: f = 5290 MHz; σ = 5.289 S/m; ε_r = 48.764; ρ = 1000 kg/m^3
Phantom section: Flat Section

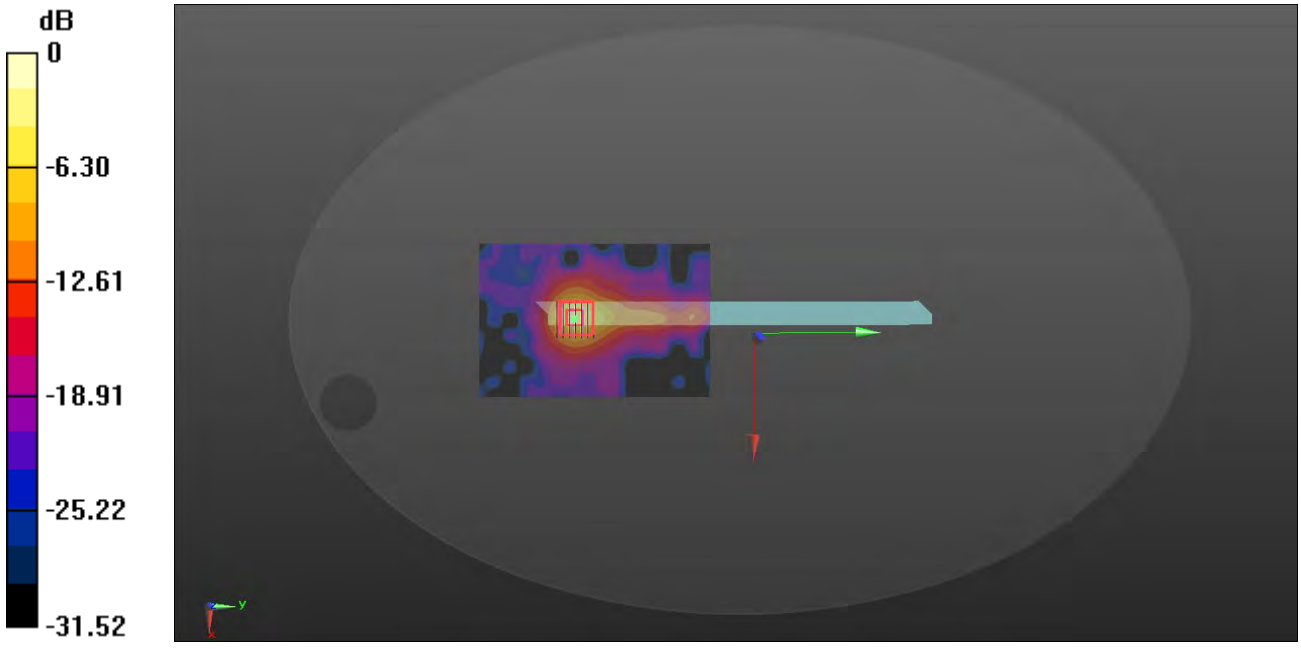
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.01 W/kg

Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.660 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.67 W/kg
SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg

MEAS.49 Body Plane with Top Edge 15 mm on Channel 58 in IEEE802.11ac(VHT80) mode with Main Antenna (Intel8265 Speedwire)

Date: 2018.08.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5290 MHz; σ = 5.289 S/m; ε_r = 48.764; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.100 W/kg

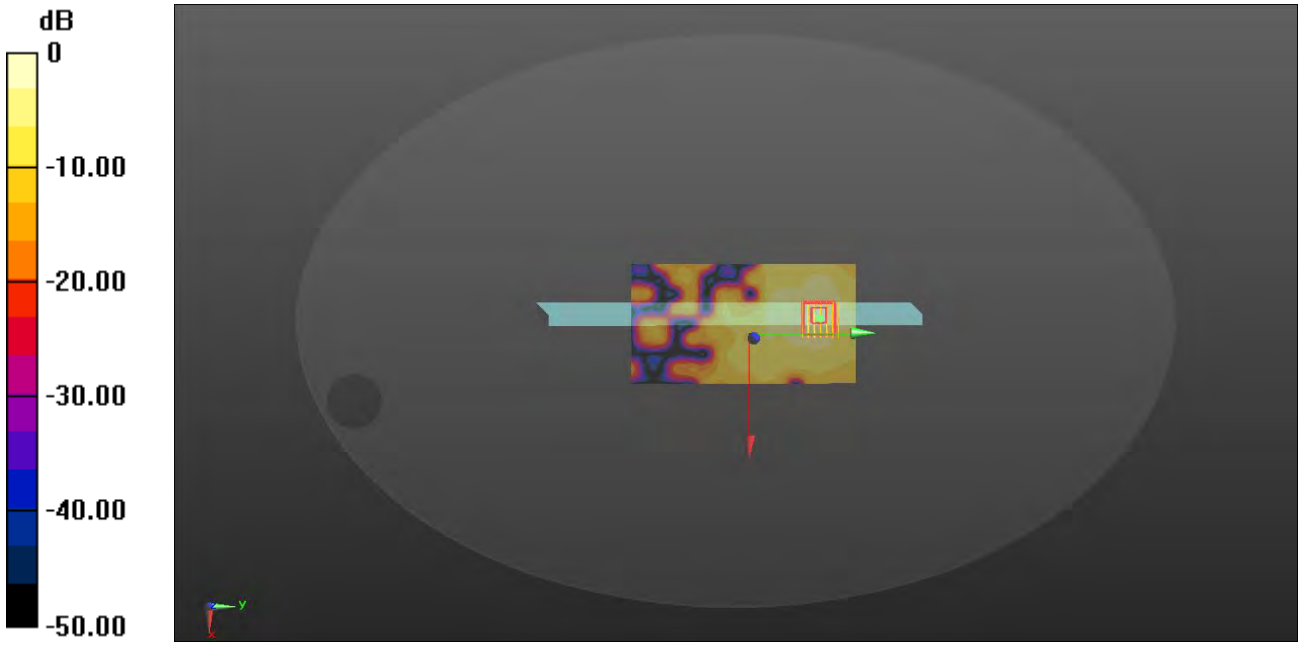
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.394 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

MEAS.50 Body Plane with Top Edge 15 mm on Channel 58 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.08

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5290 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5290 MHz; σ = 5.289 S/m; ε_r = 48.764; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

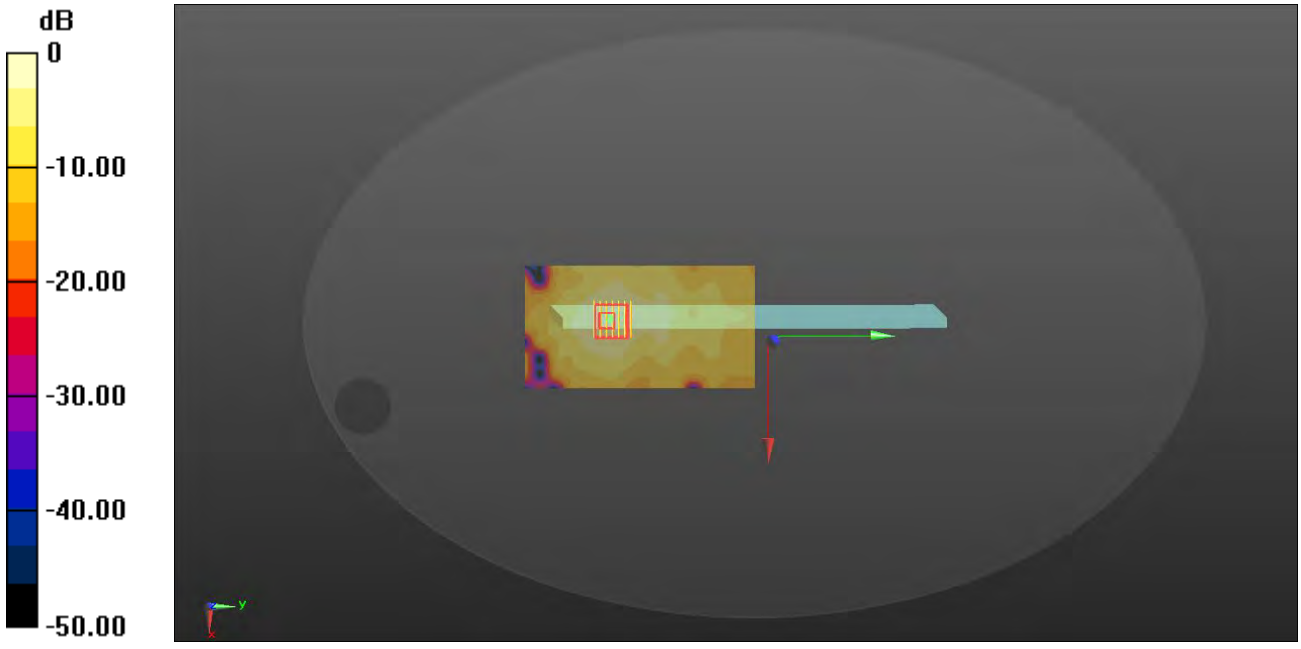
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.7940 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.881 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.202 W/kg

MEAS.51 Body Plane with Back Side 0mm on Channel 106 in IEEE802.11ac(VHT80) mode with Main Antenna(Intel8265 Speedwire)

Date: 2018.08.09

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5530 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5530 MHz; σ = 5.591 S/m; ε_r = 47.745; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.545 W/kg

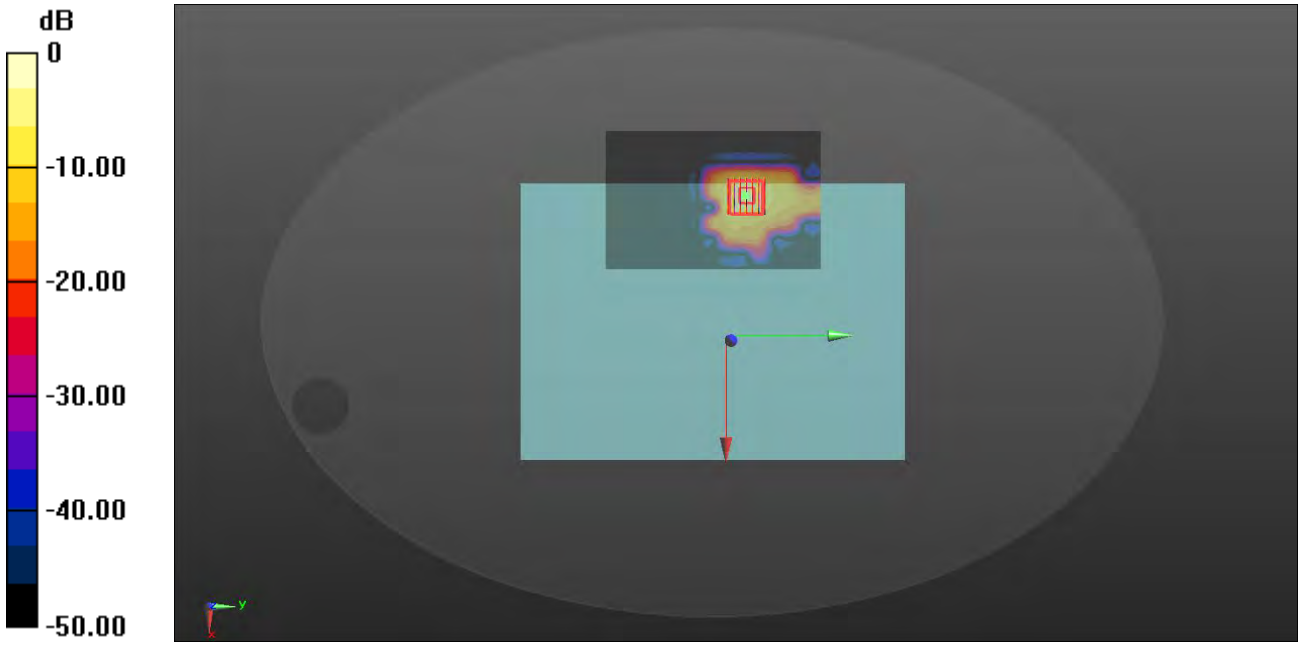
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.5570 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

MEAS.52 Body Plane with Back Side 0mm on Channel 138 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.09

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.046

Medium parameters used (interpolated): f = 5690 MHz; σ = 5.992 S/m; ε_r = 46.831; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 138/Area Scan (101x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.766 W/kg

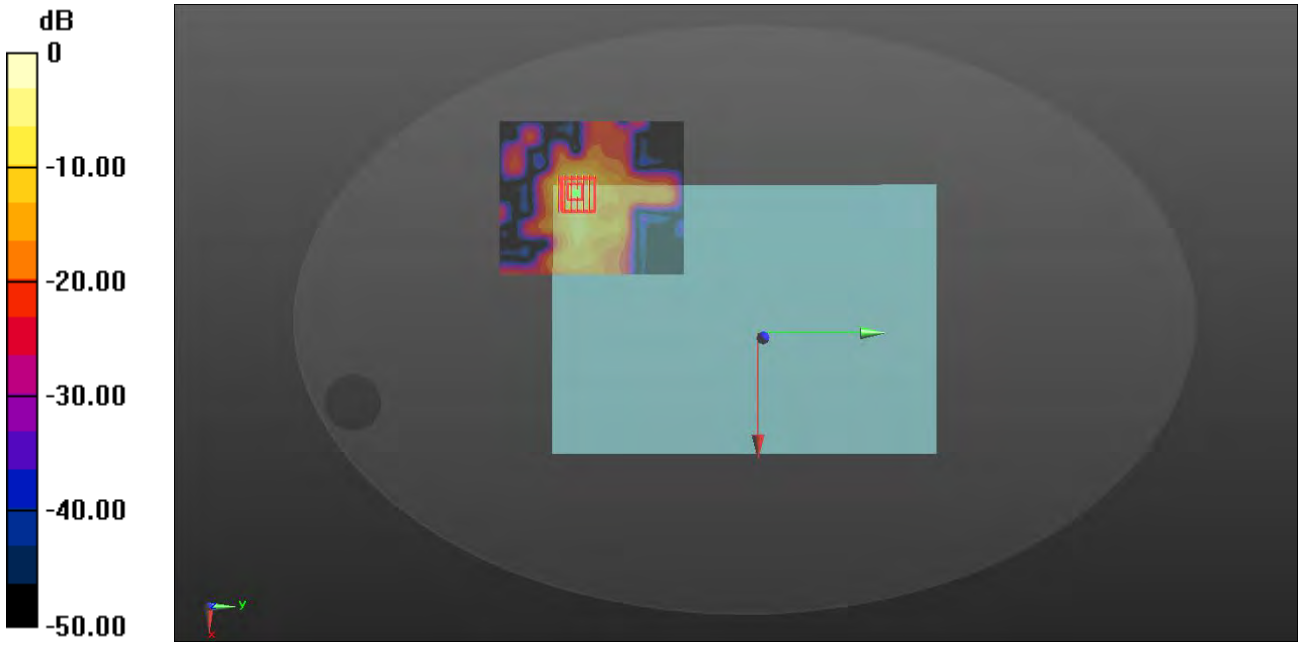
Ch 138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.449 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.14 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.71 W/kg

MEAS.53 Body Plane with Back Side 15mm on Channel 138 in IEEE802.11ac(VHT80) mode with Main Antenna (Intel8265 Speedwire)

Date: 2018.08.09

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.046

Medium parameters used (interpolated): f = 5690 MHz; σ = 5.992 S/m; ε_r = 46.831; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0762 W/kg

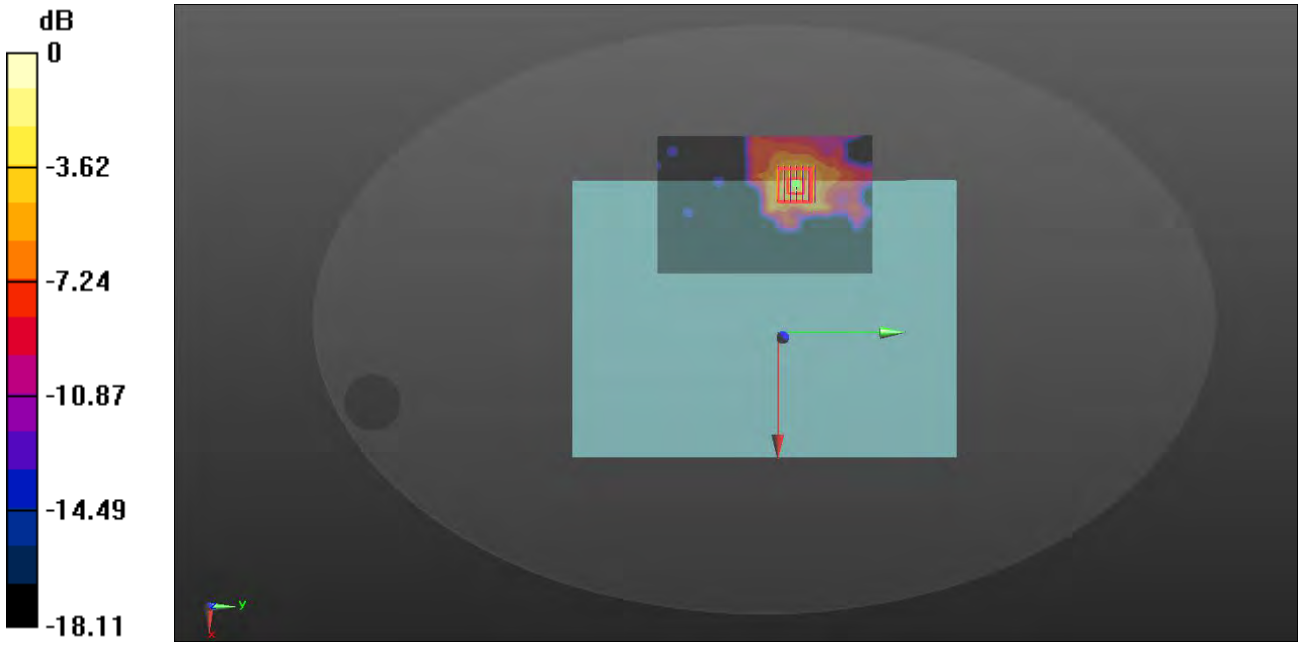
Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.166 W/kg



0 dB = 0.166 W/kg

MEAS.54 Body Plane with Top Edge 0mm on Channel 138 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.09

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5690 MHz;Duty Cycle: 1:1.046

Medium parameters used (interpolated): f = 5690 MHz; σ = 5.992 S/m; ε_r = 46.831; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.101 W/kg

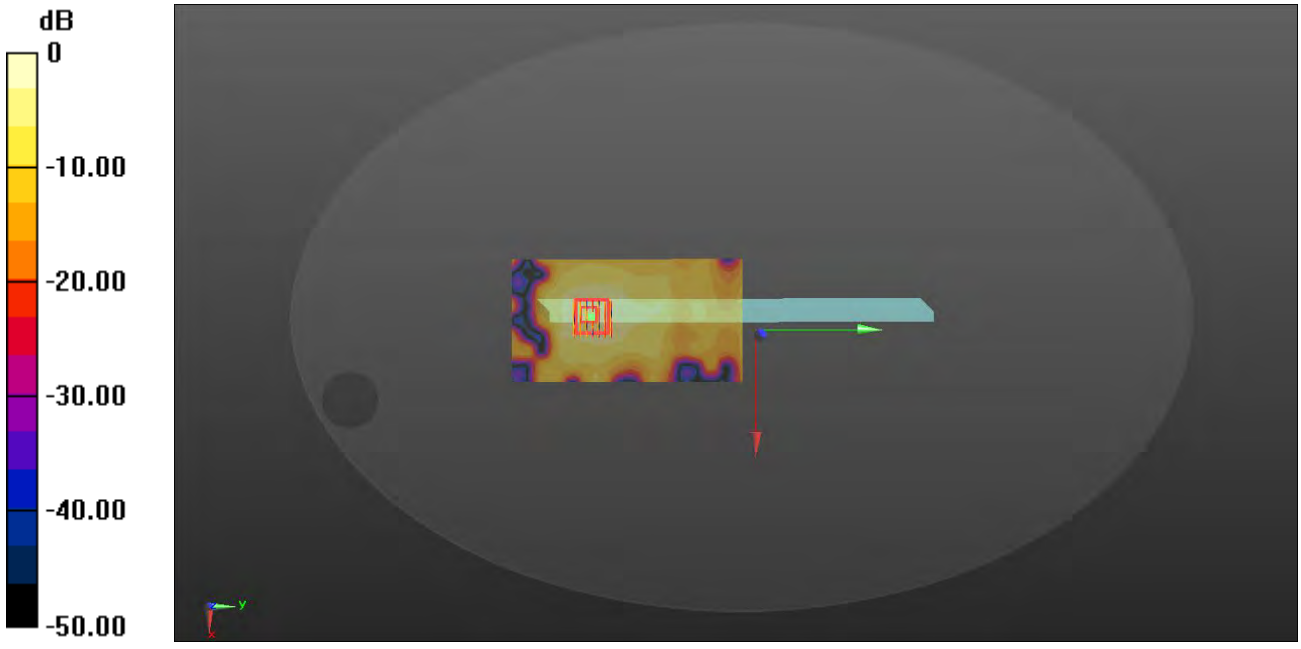
Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6670 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

MEAS.55 Body Plane with Back Side 0mm on Channel 155 in IEEE802.11ac(VHT80) mode with Main Antenna(Intel8265 Speedwire)

Date: 2018.08.10

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5775 MHz; σ = 6.181 S/m; ε_r = 47.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.475 W/kg

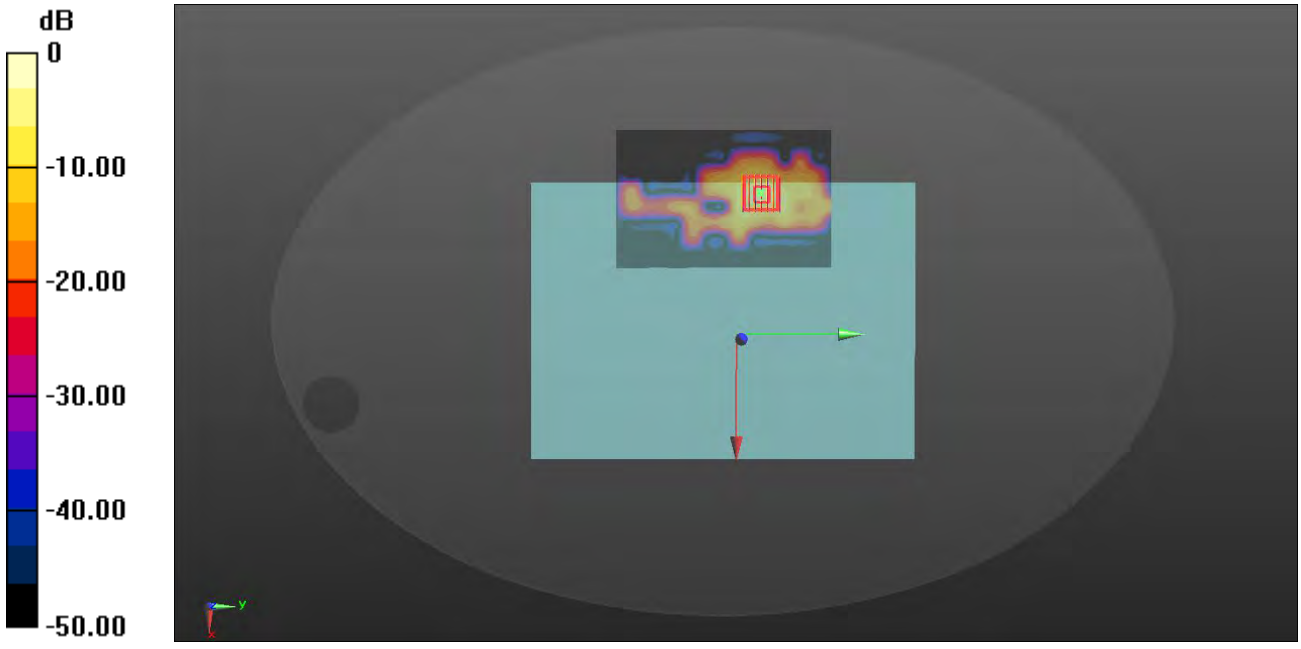
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3270 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg

MEAS.56 Body Plane with Top Edge 0mm on Channel 155 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.10

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5775 MHz; σ = 6.181 S/m; ε_r = 47.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

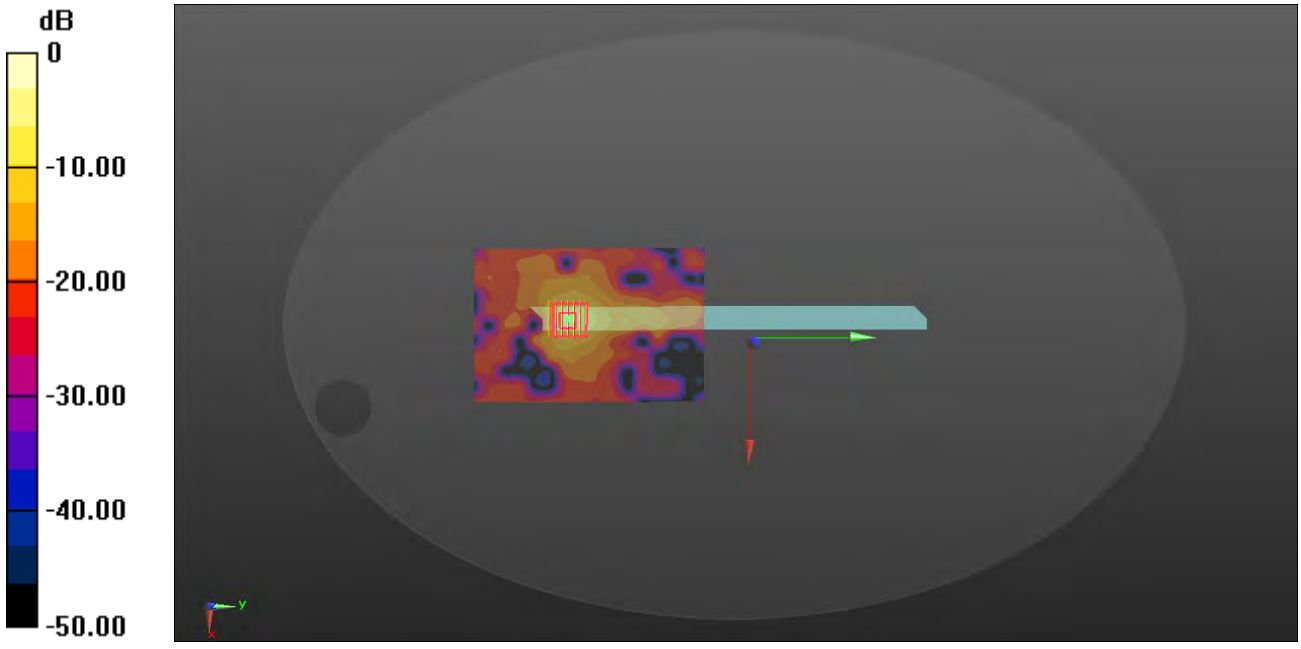
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.006 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg

MEAS.57 Body Plane with Back Side 15mm on Channel 155 in IEEE802.11ac(VHT80) mode with Main Antenna(Intel8265 Speedwire)

Date: 2018.08.10

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5775 MHz; σ = 6.181 S/m; ε_r = 47.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0749 W/kg

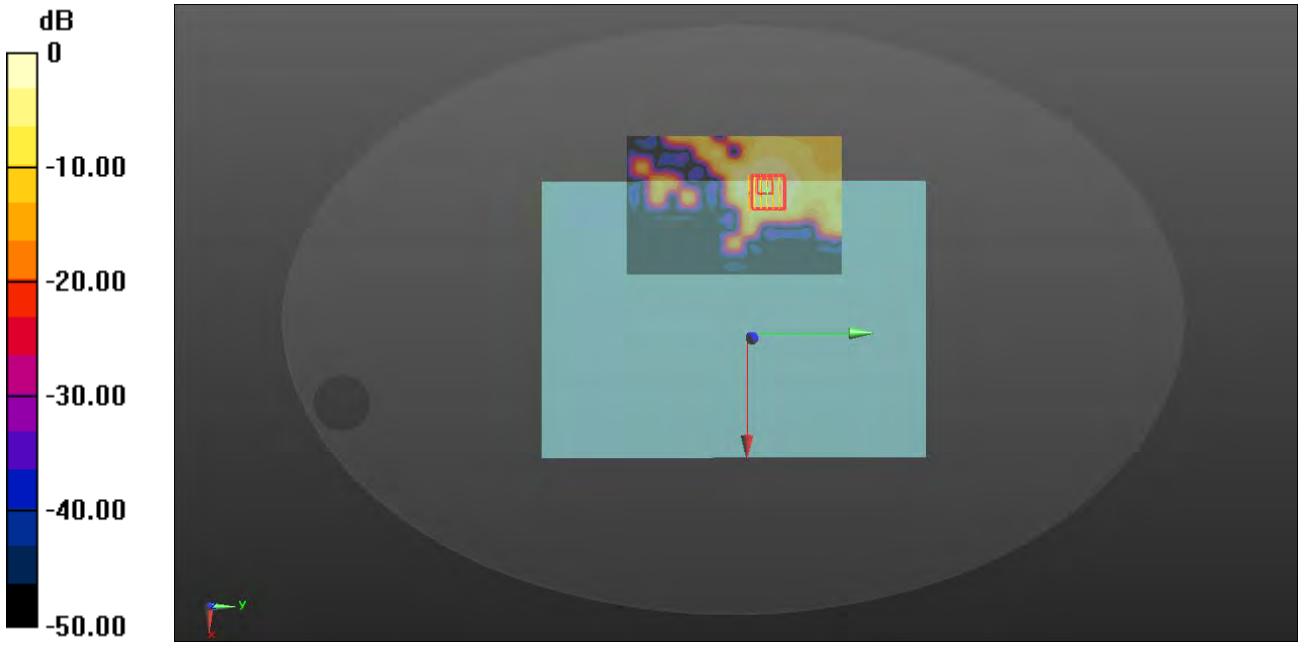
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.4630 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg

MEAS.58 Body Plane with Top Edge 15 mm on Channel 155 in IEEE802.11ac(VHT80) mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.10

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.046

Medium parameters used: f = 5775 MHz; σ = 6.181 S/m; ε_r = 47.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0950 W/kg

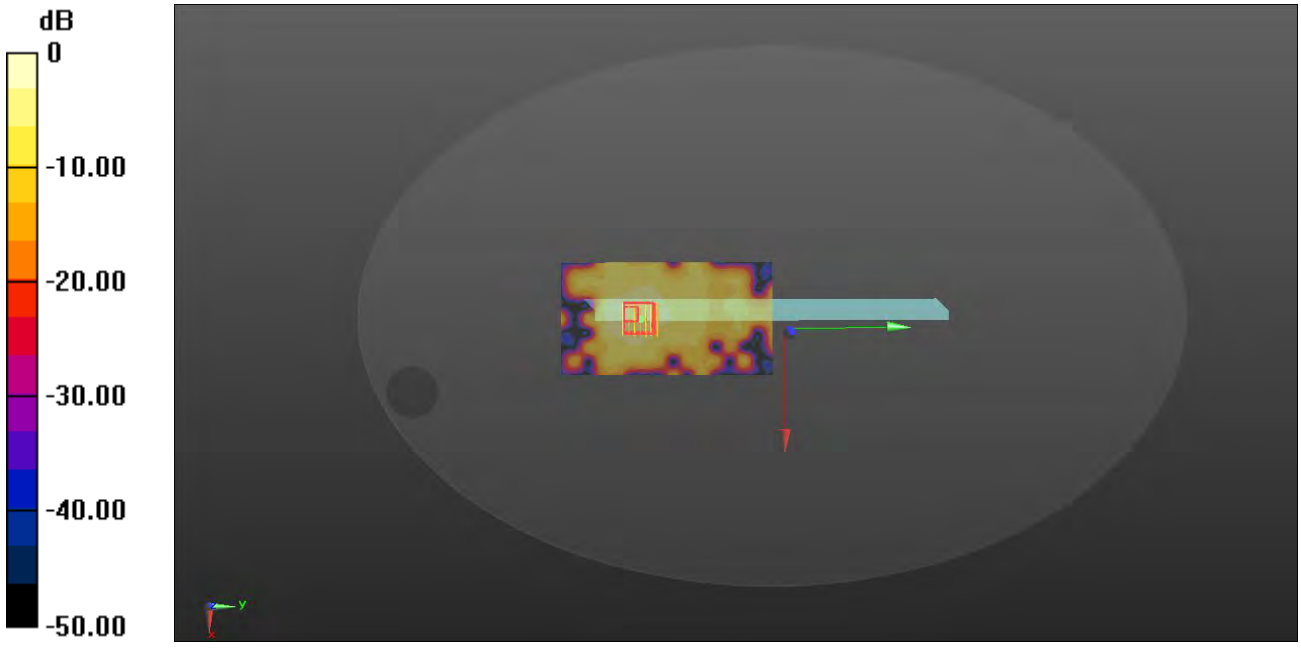
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg

MEAS.59 Body Plane with Back Side 0mm on Channel 39 in Bluetooth mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.926 S/m; ε_r = 51.335; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 39/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.268 W/kg

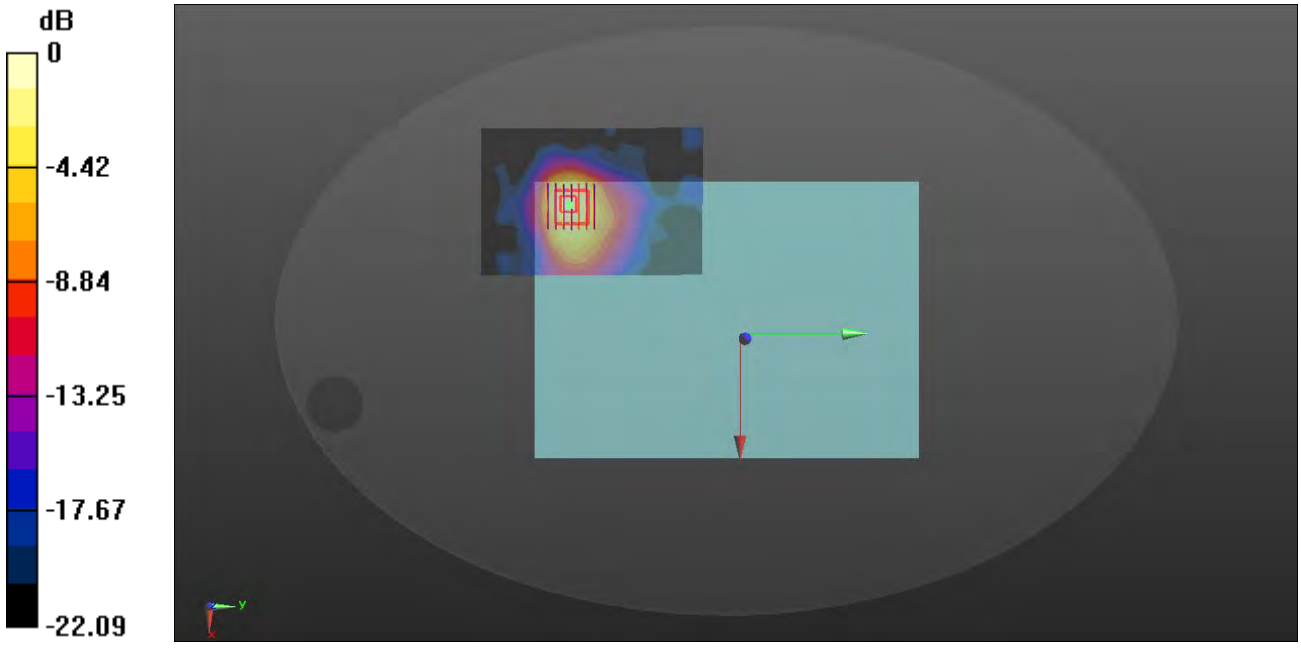
Ch 39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6800 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg

MEAS.60 Body Plane with Back Side 15mm on Channel 39 in Bluetooth mode with Aux Antenna(Intel8265 Speedwire)

Date: 2018.08.03

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.926 S/m; ε_r = 51.335; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 39/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0222 W/kg

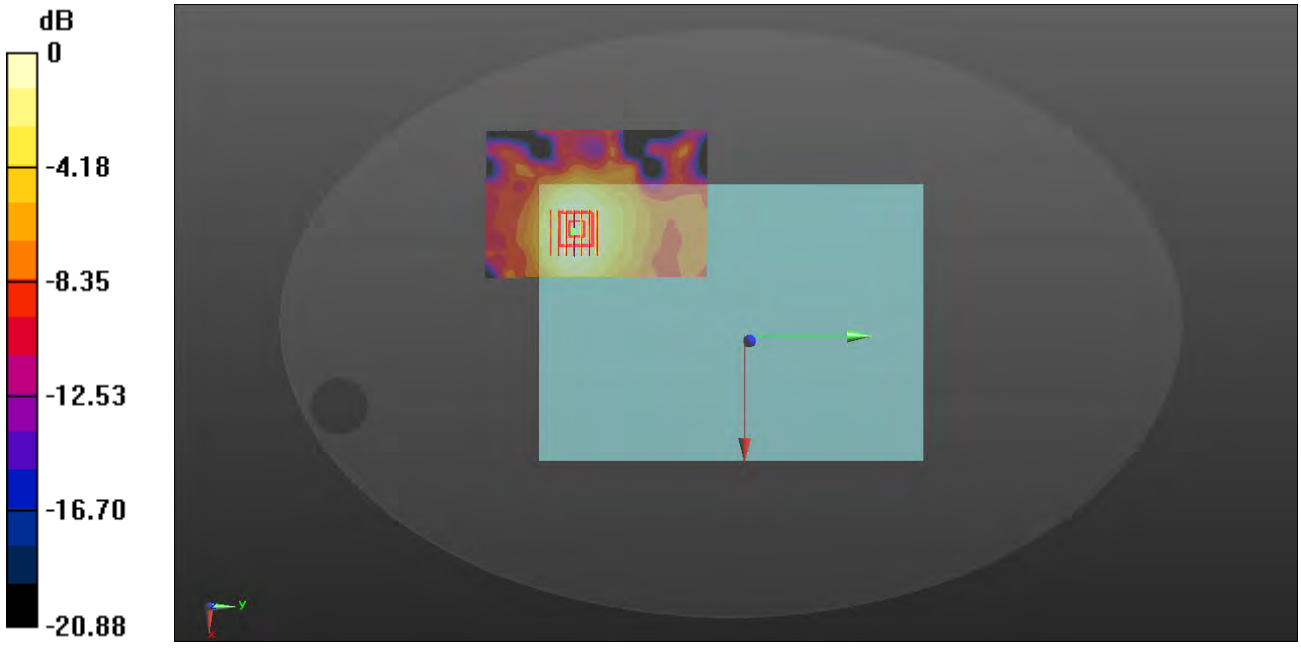
Ch 39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7690 V/m; Power Drift = 0.10dB

Peak SAR (extrapolated) = 0.0380 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0227 W/kg



0 dB = 0.0227 W/kg

MEAS.61 Body Plane with Back Side 0mm on Channel 11 in IEEE802.11b mode with Main Antenna
Date: 2018.08.07
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.015 S/m; ε_r = 51.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

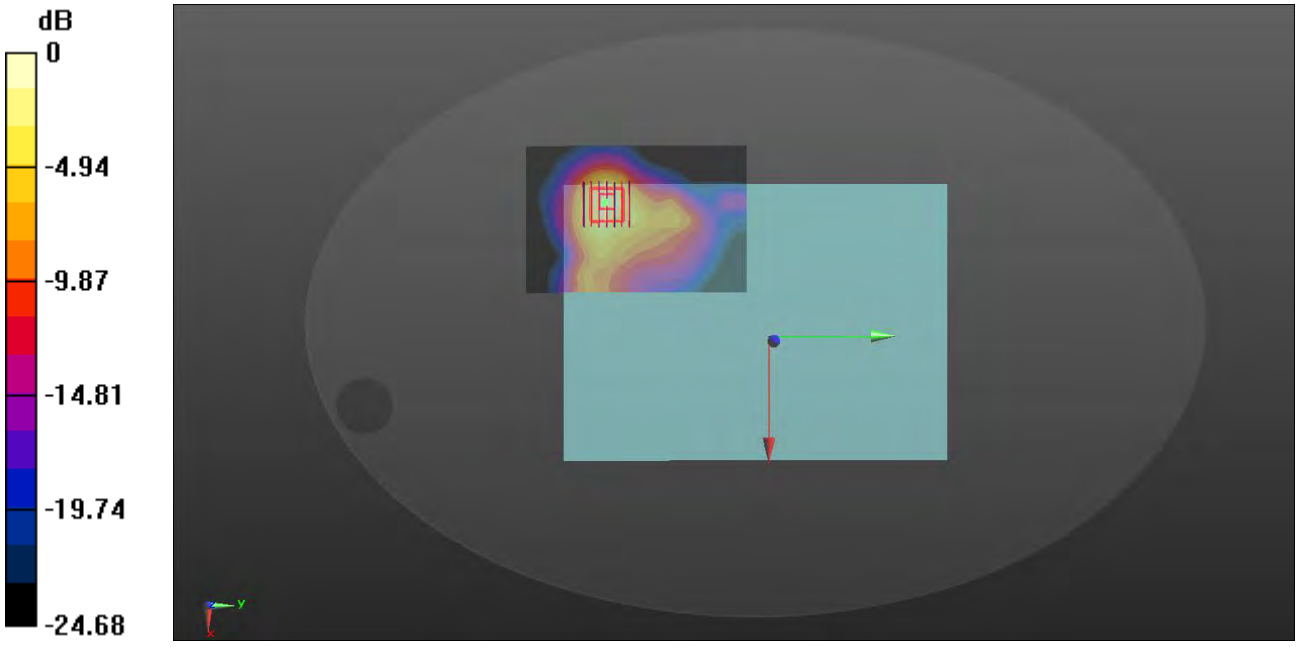
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.858 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.205 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 0.866 W/kg



0 dB = 0.866 W/kg

MEAS.62 Body Plane with Back Side 0mm on Channel 11 in IEEE802.11b mode with Aux Antenna
Date: 2018.08.07
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.015 S/m; ε_r = 51.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

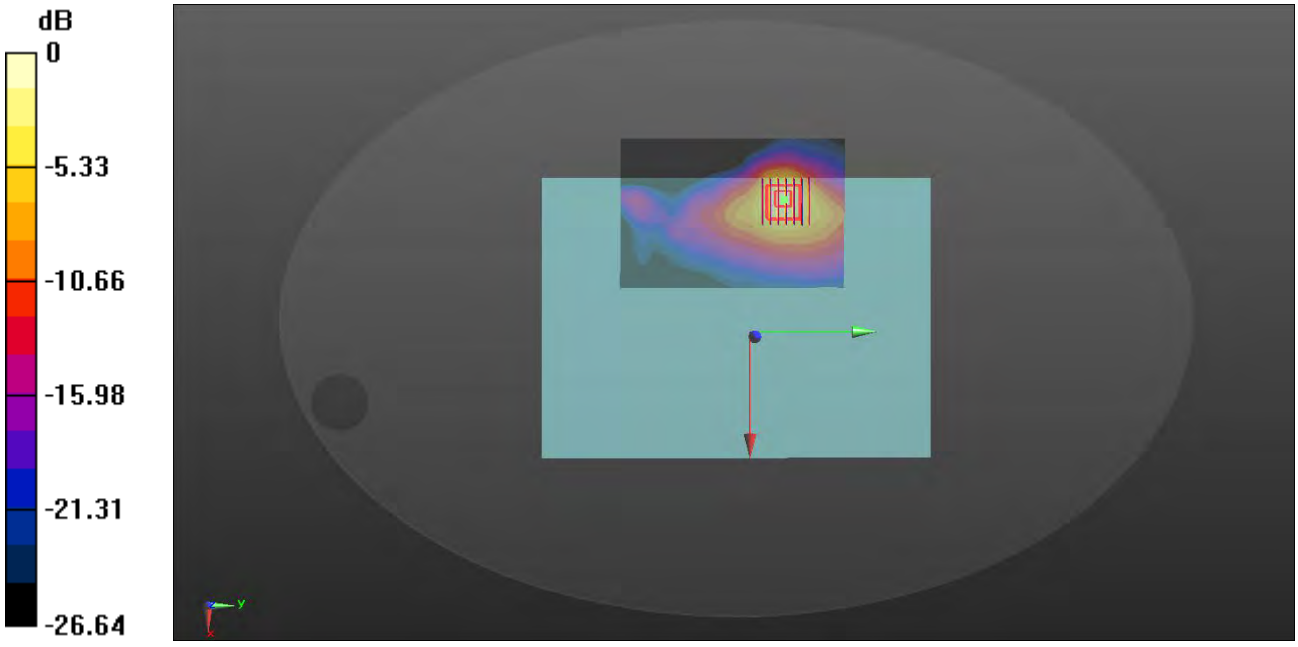
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.839 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.514 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.306 W/kg
Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.835 W/kg

MEAS.63 Body Plane with Back Side 15mm on Channel 11 in IEEE802.11b mode with Main Antenna
Date: 2018.08.07
Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.015 S/m; ε_r = 51.428; ρ = 1000 kg/m^3
Phantom section: Flat Section

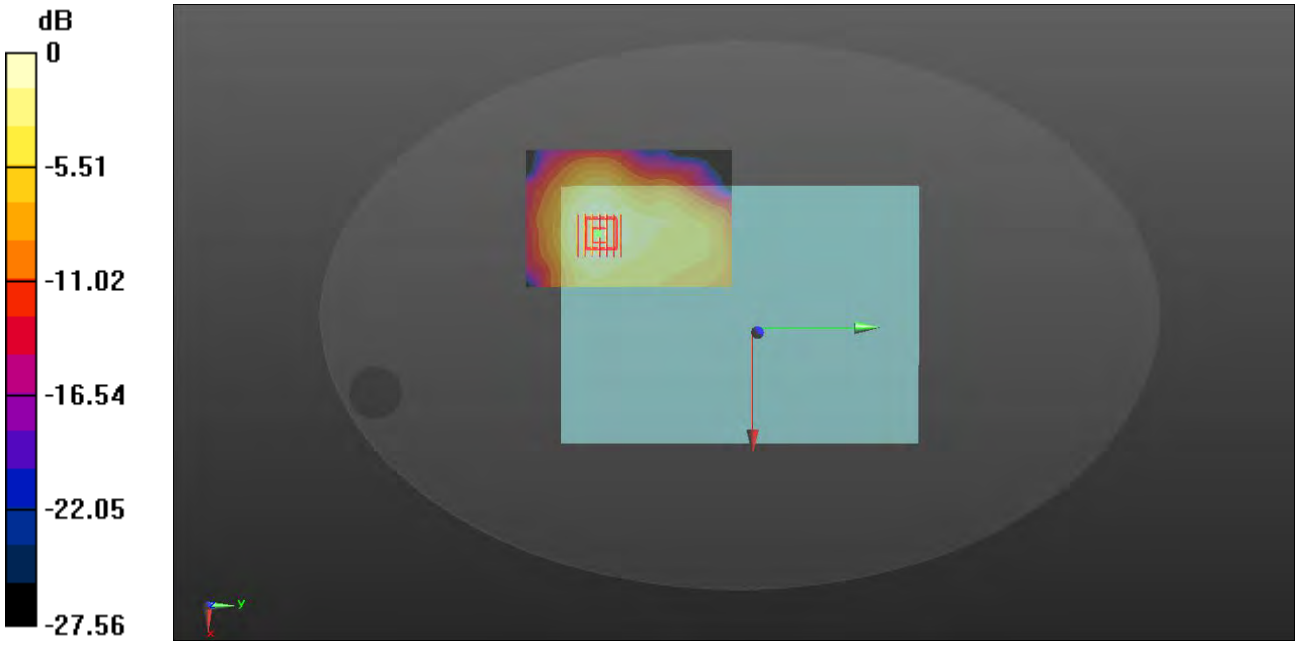
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0734 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.022 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.0713 W/kg



0 dB = 0.0713 W/kg

MEAS.64 Body Plane with Back Side 15mm on Channel 1 in IEEE802.11b mode with Aux Antenna
Date: 2018.08.07
Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.905 S/m; ε_r = 52.812; ρ = 1000 kg/m^3
Phantom section: Flat Section

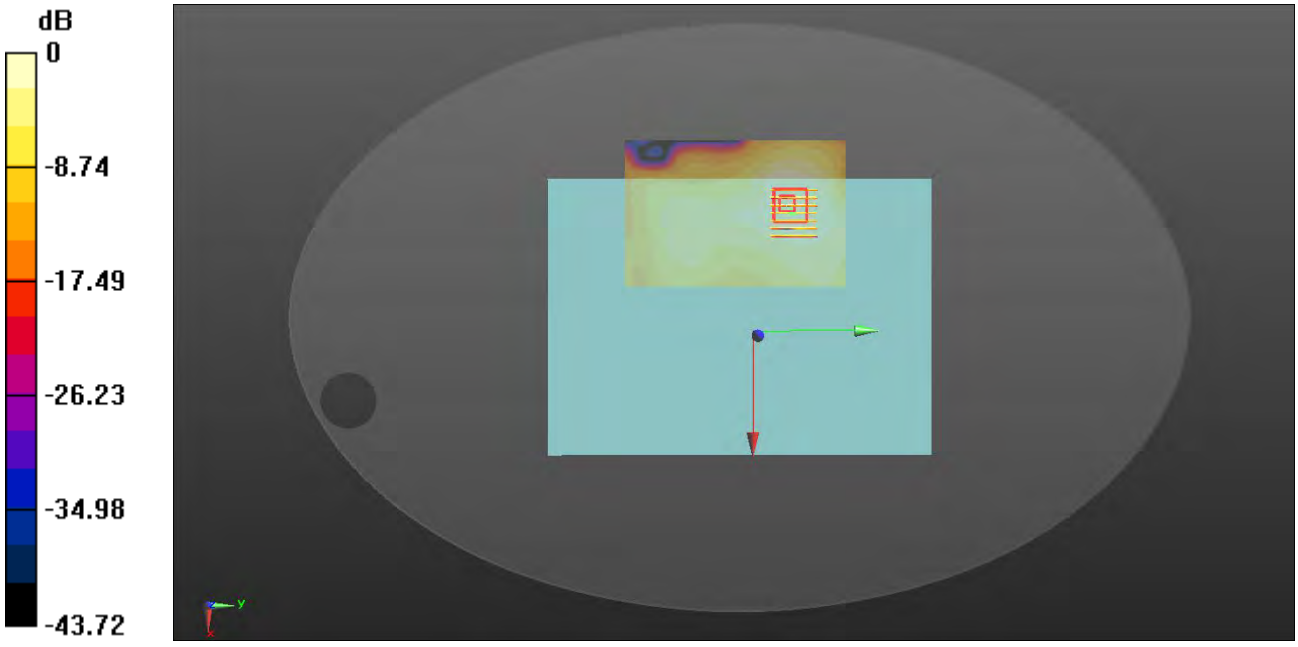
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0648 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.646 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0750 W/kg
SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.024 W/kg
Maximum value of SAR (measured) = 0.0490 W/kg



0 dB = 0.0490 W/kg

MEAS.65 Body Plane with Top Edge 0mm on Channel 64 in IEEE802.11a mode with Main Antenna
Date: 2018.09.05
Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.526 S/m; ε_r = 47.891; ρ = 1000 kg/m^3
Phantom section: Flat Section

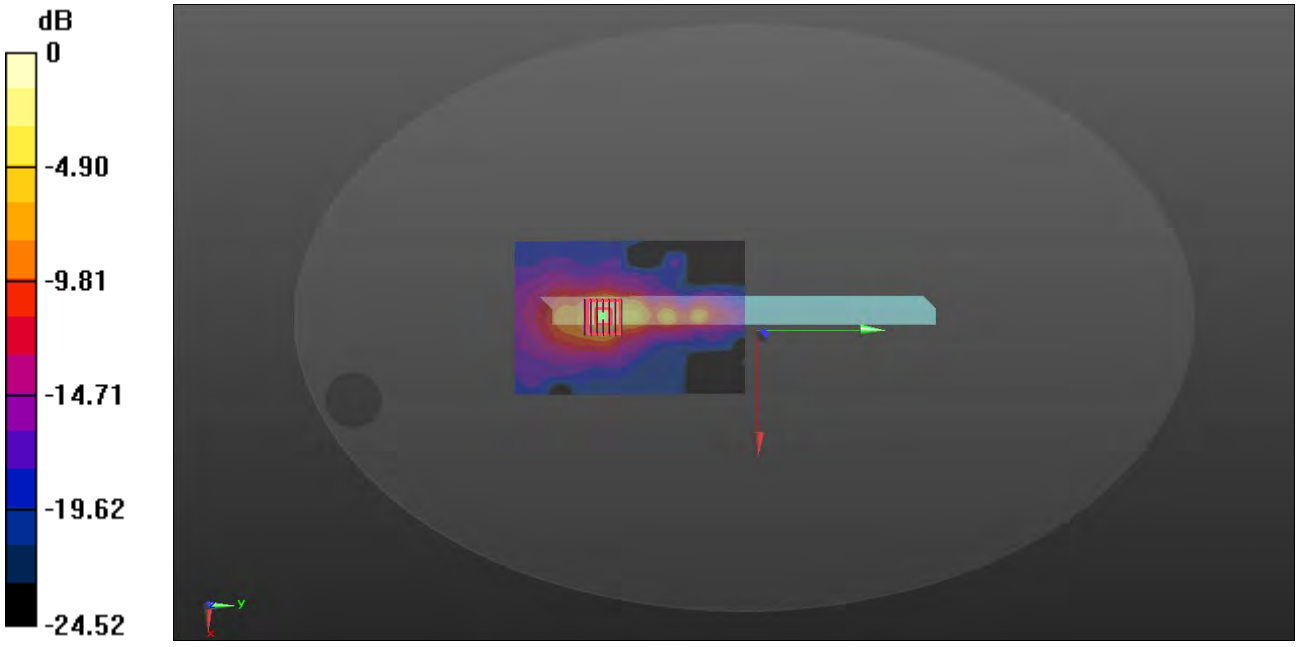
Ambient Temperature:22.2 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.960 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.98 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.344 W/kg
Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg

MEAS.66 Body Plane with Back Side 0mm on Channel 64 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.05
Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.526 S/m; ε_r = 47.891; ρ = 1000 kg/m^3
Phantom section: Flat Section

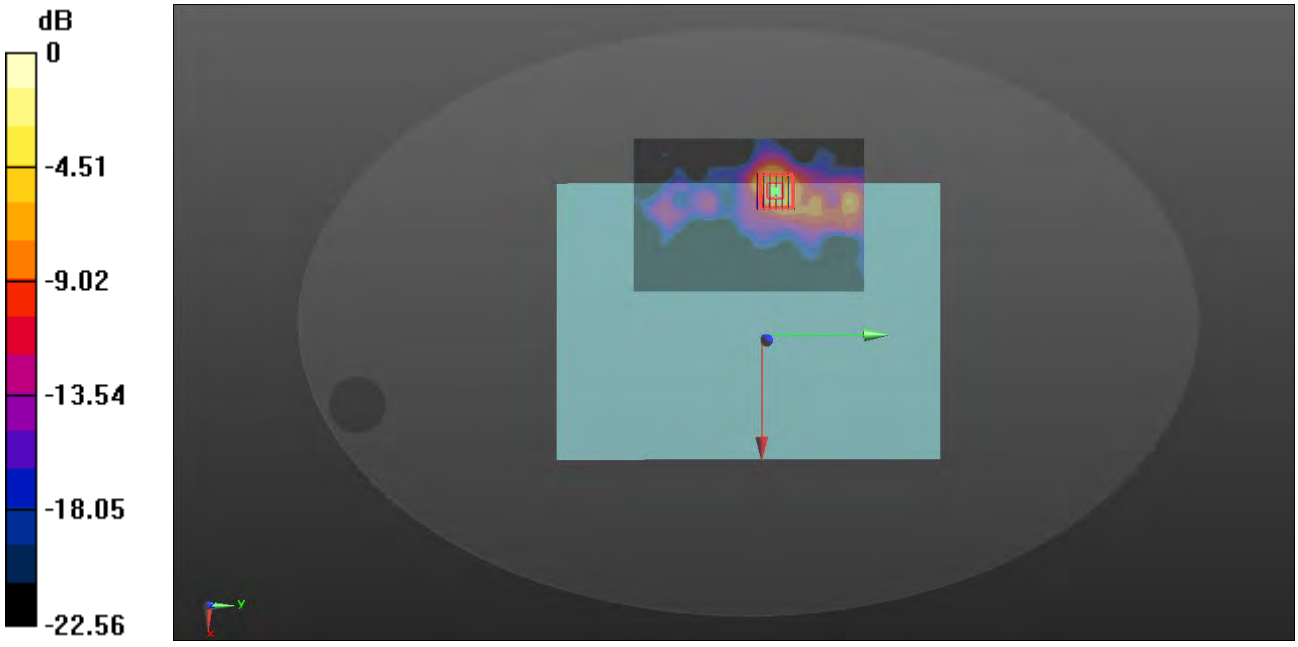
Ambient Temperature:22.2 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.924 W/kg

Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.184 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 0.801 W/kg; SAR(10 g) = 0.279 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg

MEAS.67 Body Plane with Top Edge 15mm on Channel 64 in IEEE802.11a mode with Main Antenna
Date: 2018.09.05
Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.526 S/m; ε_r = 47.891; ρ = 1000 kg/m^3
Phantom section: Flat Section

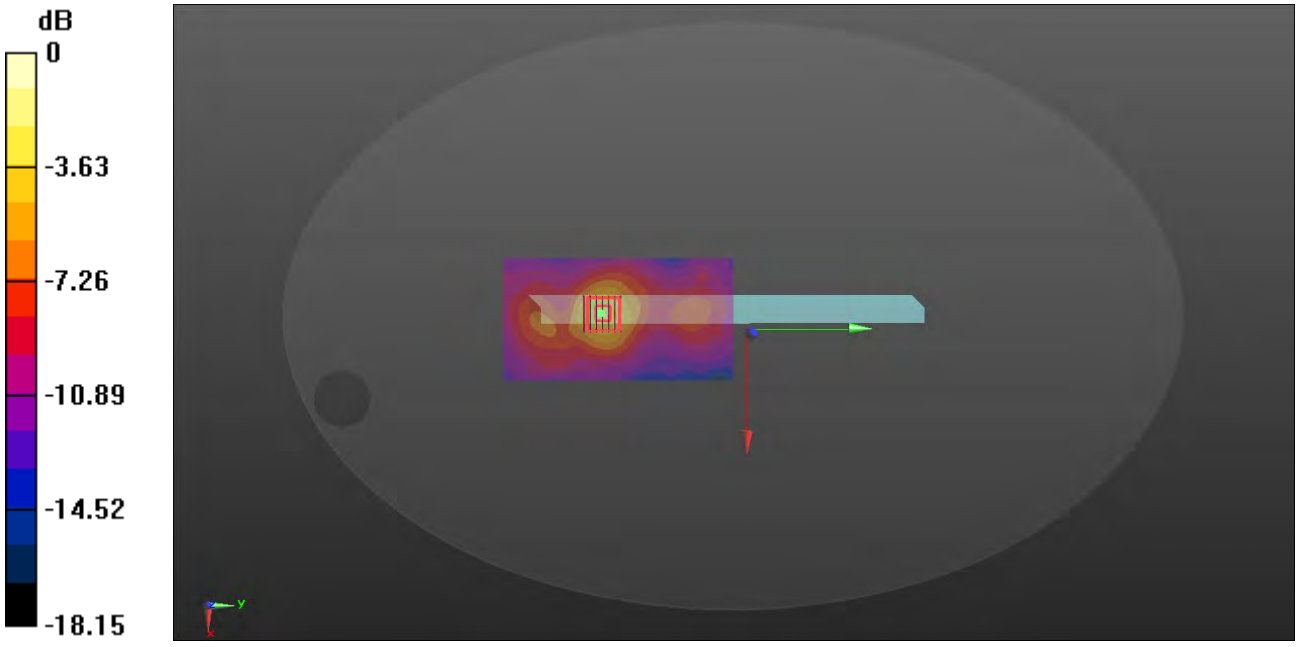
Ambient Temperature:22.2 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.691 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg

MEAS.68 Body Plane with Back Side 15mm on Channel 64 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.05
Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.526 S/m; ε_r = 47.891; ρ = 1000 kg/m^3
Phantom section: Flat Section

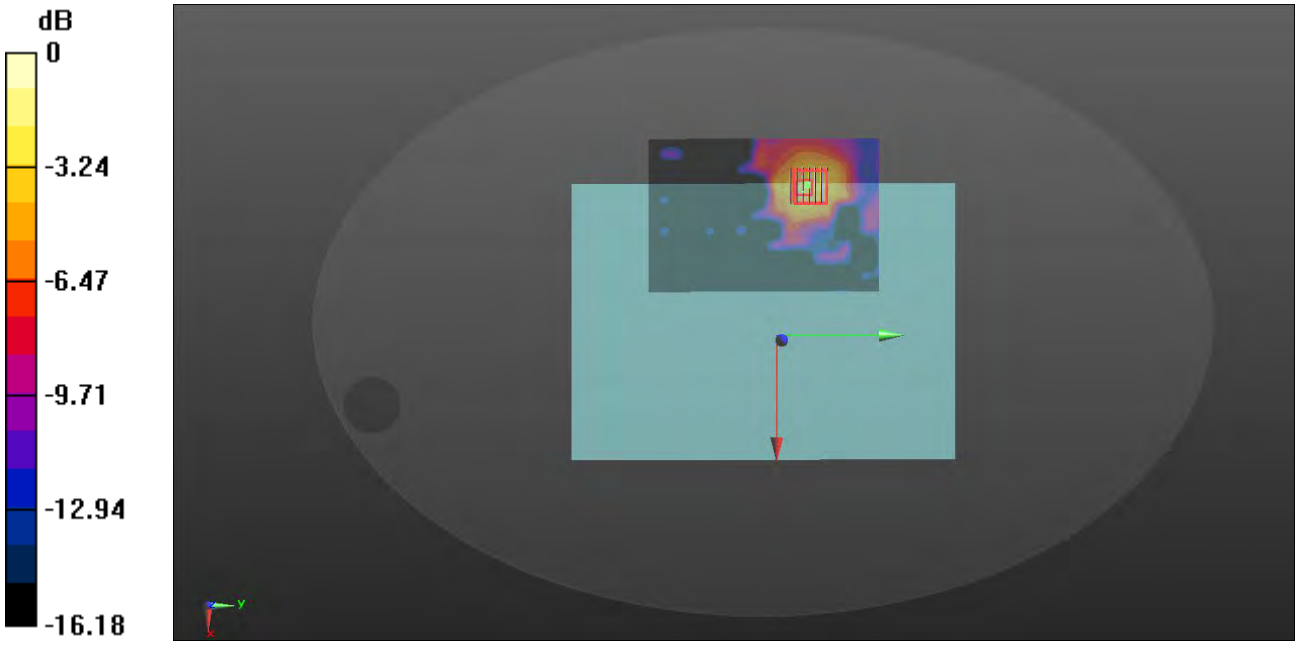
Ambient Temperature:22.2 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.09, 5.09, 5.09); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.7780 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.054 W/kg
Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

MEAS.69 Body Plane with Top Edge 0mm on Channel 116 in IEEE802.11a mode with Main Antenna
Date: 2018.09.06
Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.833 S/m; ε_r = 48.443; ρ = 1000 kg/m^3
Phantom section: Flat Section

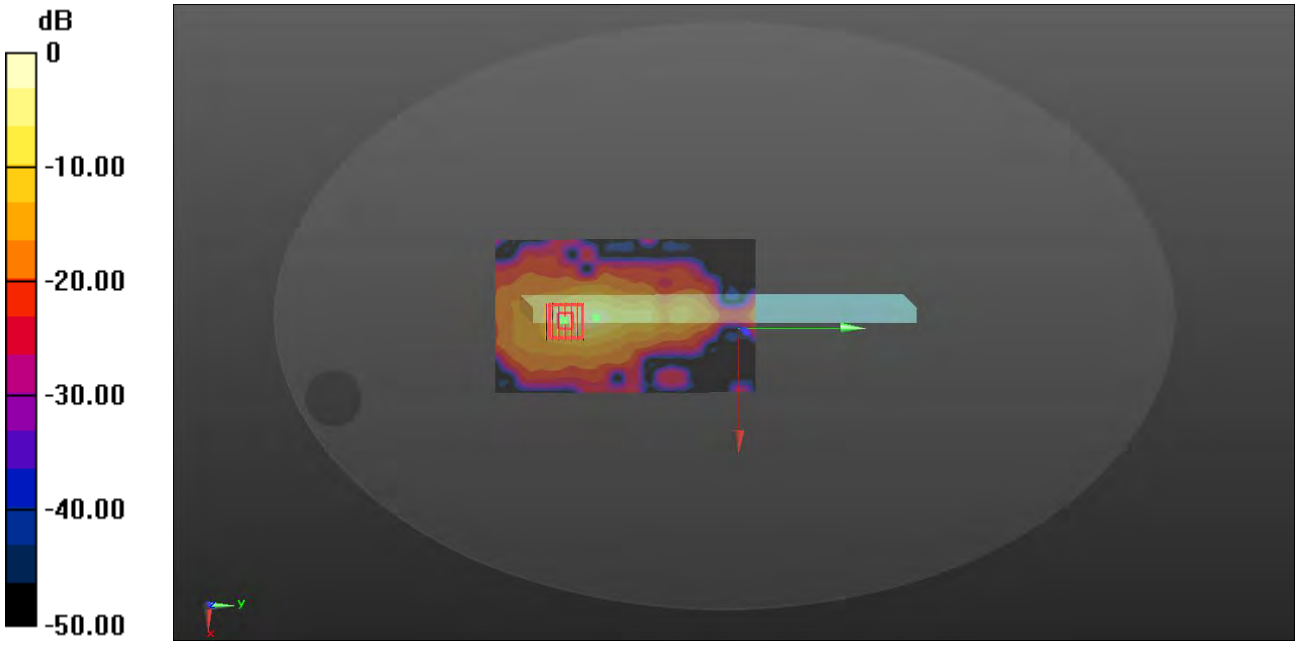
Ambient Temperature:22.3 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 116/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Ch 116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.330 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 5.46 W/kg
SAR(1 g) = 0.96 W/kg; SAR(10 g) = 0.276 W/kg
Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg

MEAS.70 Body Plane with Top Edge 0mm on Channel 100 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.06
Communication System Band: WLAN(a); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.714 S/m; ε_r = 49.154; ρ = 1000 kg/m^3
Phantom section: Flat Section

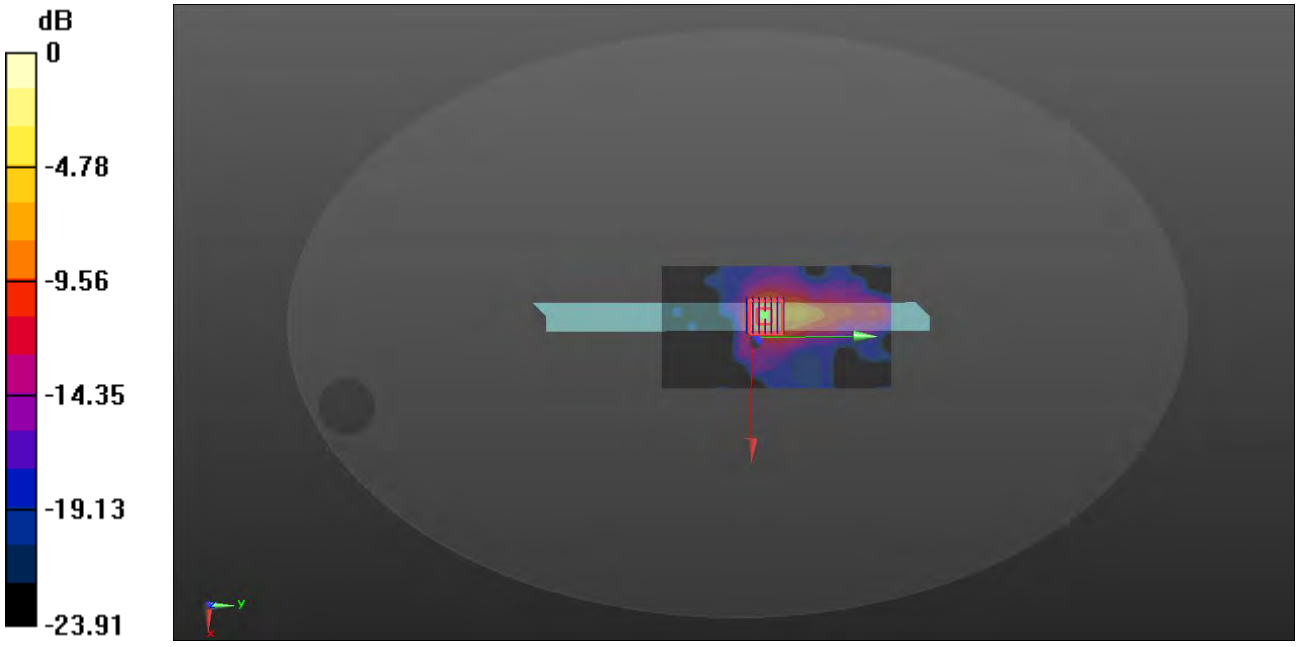
Ambient Temperature:22.3 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.725 W/kg

Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.311 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.22 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.212 W/kg
Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg

MEAS.71 Body Plane with Top Edge 15mm on Channel 116 in IEEE802.11a mode with Main Antenna
Date: 2018.09.06
Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.833 S/m; ε_r = 48.443; ρ = 1000 kg/m^3
Phantom section: Flat Section

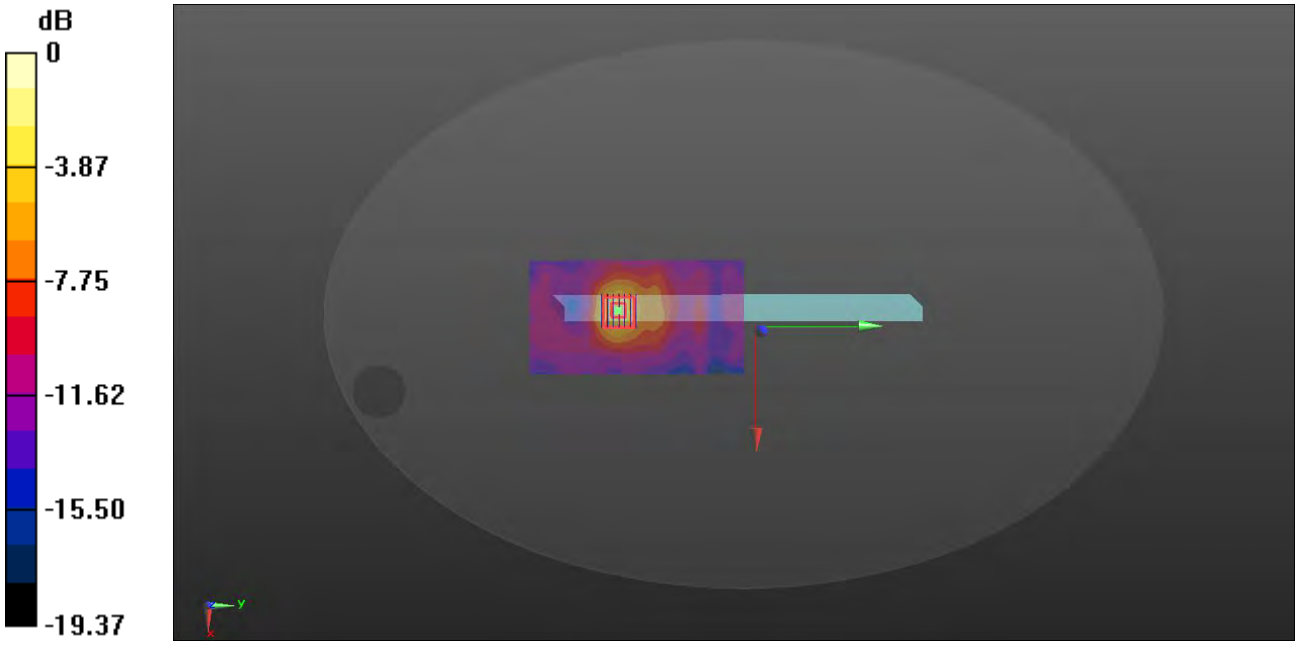
Ambient Temperature:22.3 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.471 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg

MEAS.72 Body Plane with Back Side 15mm on Channel 100 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.06
Communication System Band: WLAN(a); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.714 S/m; ε_r = 49.154; ρ = 1000 kg/m^3
Phantom section: Flat Section

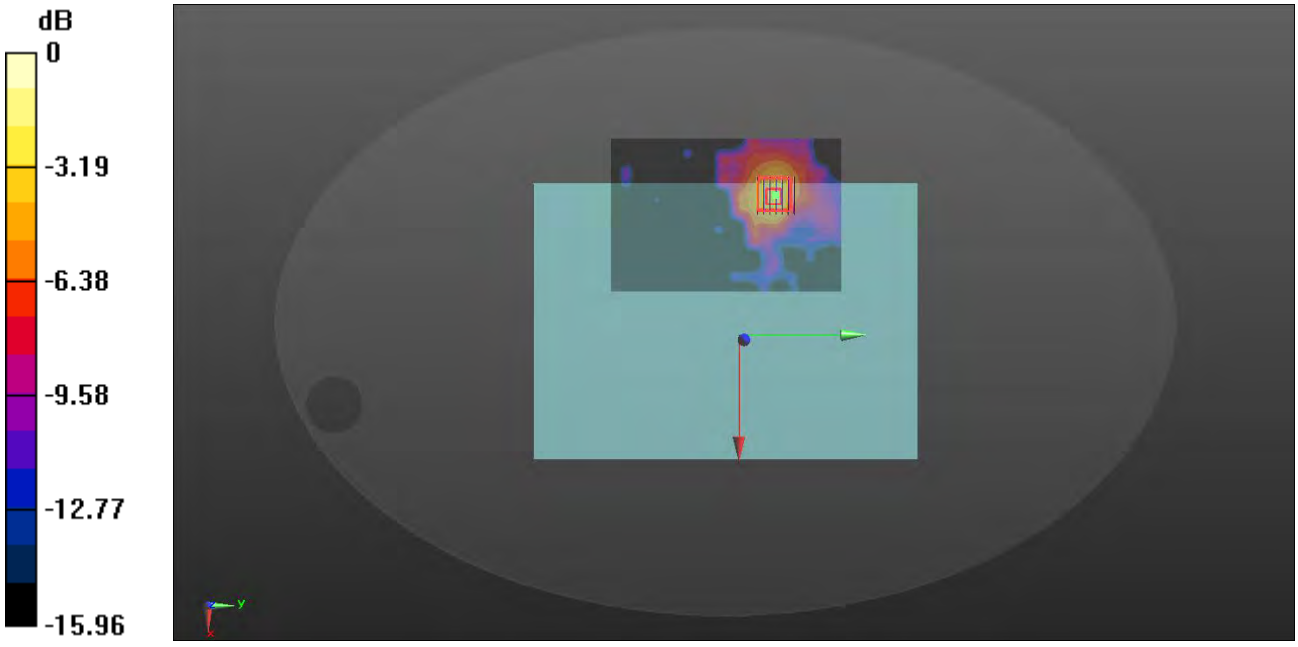
Ambient Temperature:22.3 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.35, 4.35, 4.35); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.148 W/kg

Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.9540 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg

MEAS.73 Body Plane with Top Edge 0mm on Channel 165 in IEEE802.11a mode with Main Antenna
Date: 2018.09.10
Communication System Band: WLAN(a); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 5825 MHz; σ = 6.131 S/m; ε_r = 46.819; ρ = 1000 kg/m^3
Phantom section: Flat Section

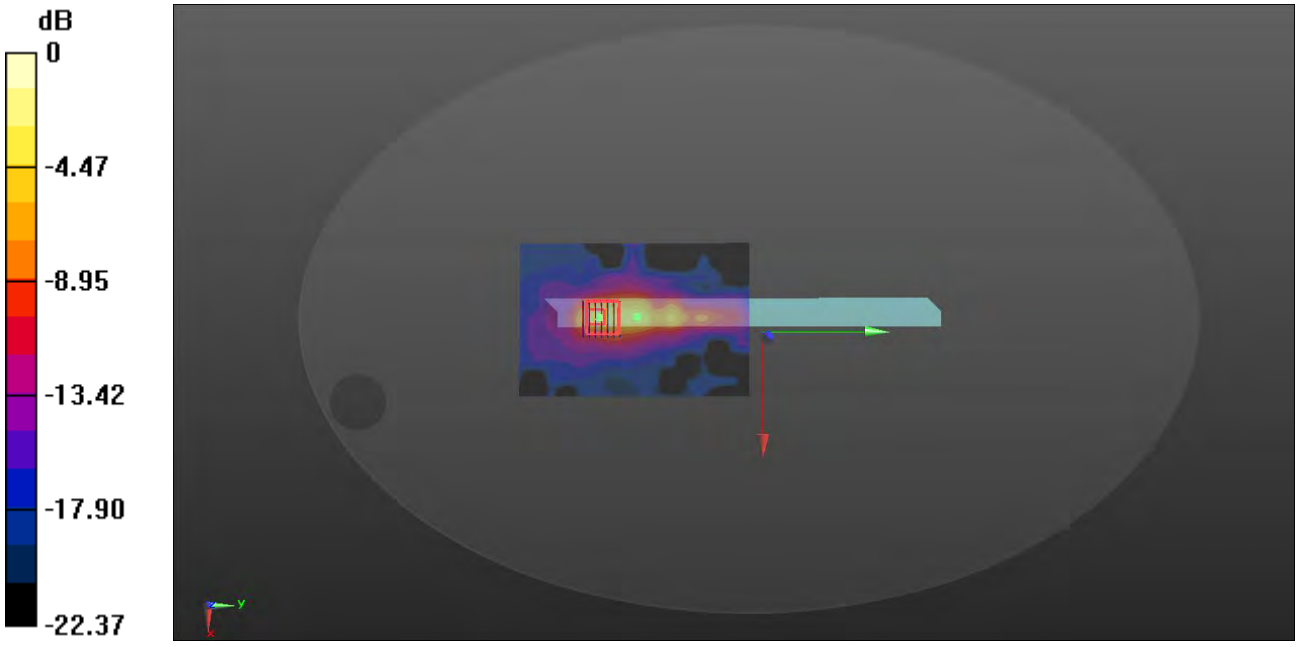
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch165/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.883 W/kg

Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.040 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg

MEAS.74 Body Plane with Back Side0mm on Channel 165 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.10
Communication System Band: WLAN(a); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 5825 MHz; σ = 6.131 S/m; ε_r = 46.819; ρ = 1000 kg/m^3
Phantom section: Flat Section

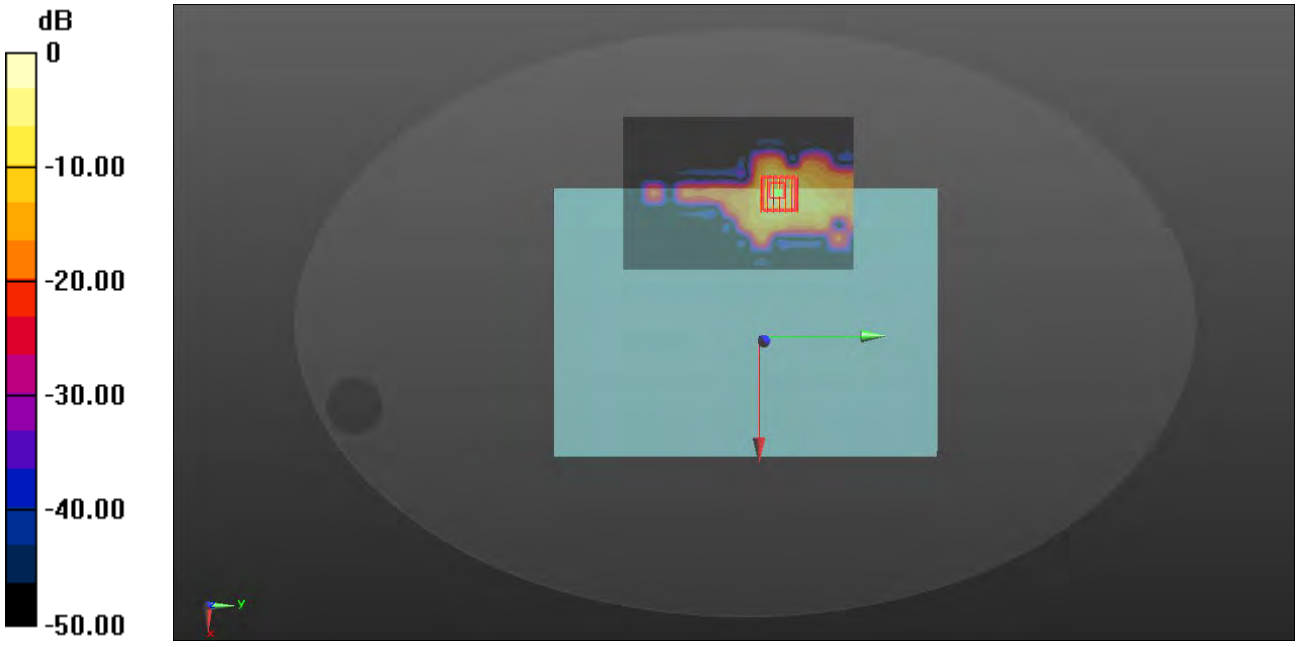
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch165/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.638 W/kg

Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.331 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 4.09 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.219 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

MEAS.75 Body Plane with Top Edge 15mm on Channel 165 in IEEE802.11a mode with Main Antenna
Date: 2018.09.10
Communication System Band: WLAN(a); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 5825 MHz; σ = 6.131 S/m; ε_r = 46.819; ρ = 1000 kg/m^3
Phantom section: Flat Section

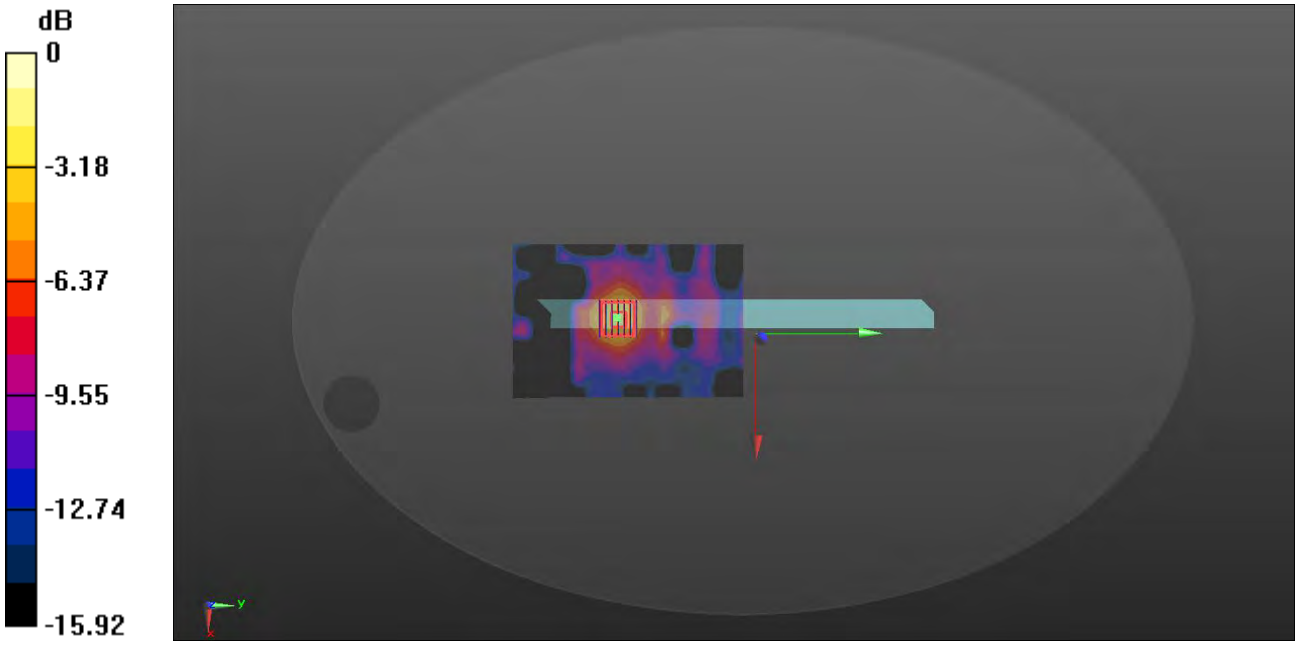
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch165/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.195 W/kg

Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.299 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg

MEAS.76 Body Plane with Back Side 15mm on Channel 165 in IEEE802.11a mode with Aux Antenna
Date: 2018.09.10
Communication System Band: WLAN(a); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 5825 MHz; σ = 6.131 S/m; ε_r = 46.819; ρ = 1000 kg/m^3
Phantom section: Flat Section

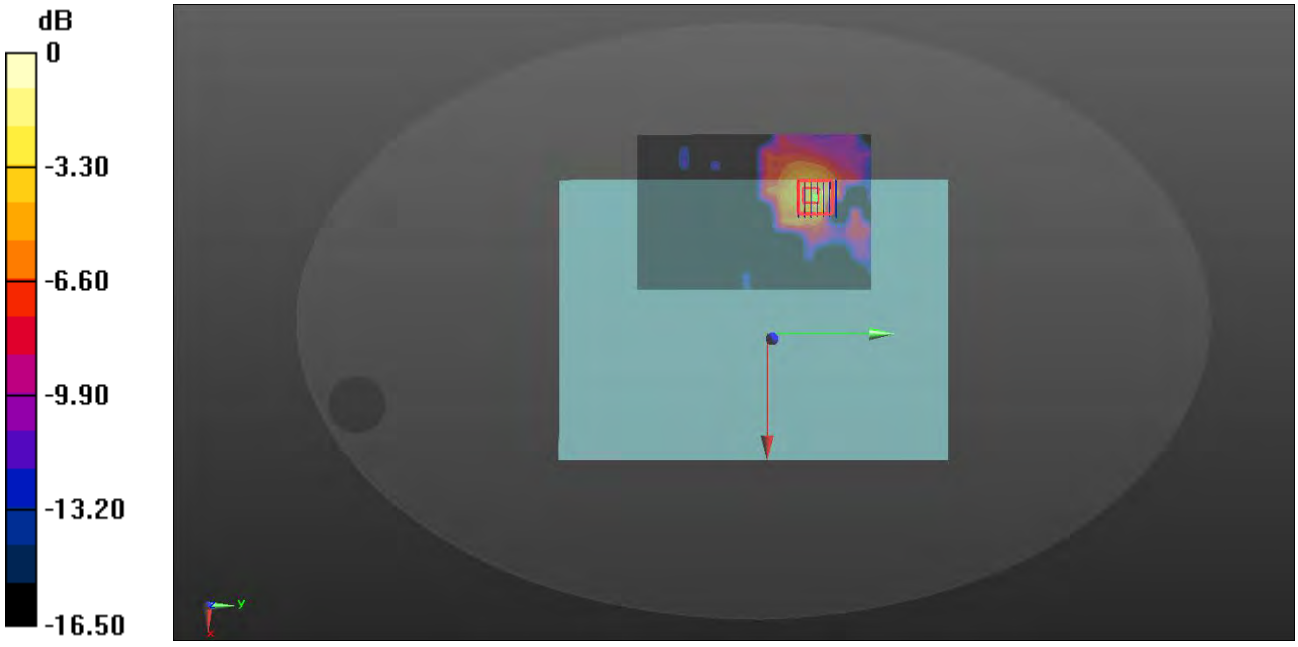
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.52, 4.52, 4.52); Calibrated: 2018.07.14;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch165/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.178 W/kg

Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.005 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.315 W/kg

MEAS.77 Body Plane with Back Side 0mm on Low Channel in Bluetooth mode with Main Antenna
Date: 2018.08.07
Communication System Band: BT;Frequency: 2402 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.891 S/m; ε_r = 53.078; ρ = 1000 kg/m^3
Phantom section: Flat Section

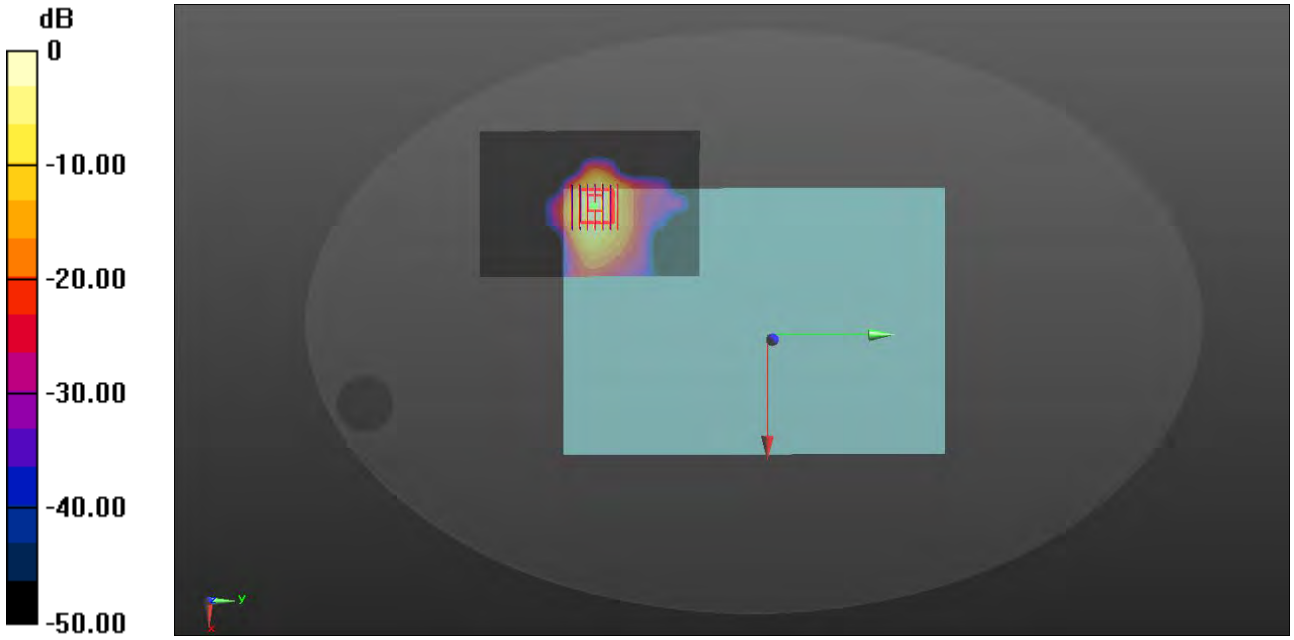
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0265 W/kg

Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.233 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0490 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00893 W/kg
Maximum value of SAR (measured) = 0.0244 W/kg



0 dB = 0.0244 W/kg

MEAS.78 Body Plane with Back Side 0mm on High Channel in Bluetooth mode with Aux Antenna
Date: 2018.08.07
Communication System Band: BT;Frequency: 2480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 2.071 S/m; ε_r = 51.028; ρ = 1000 kg/m^3
Phantom section: Flat Section

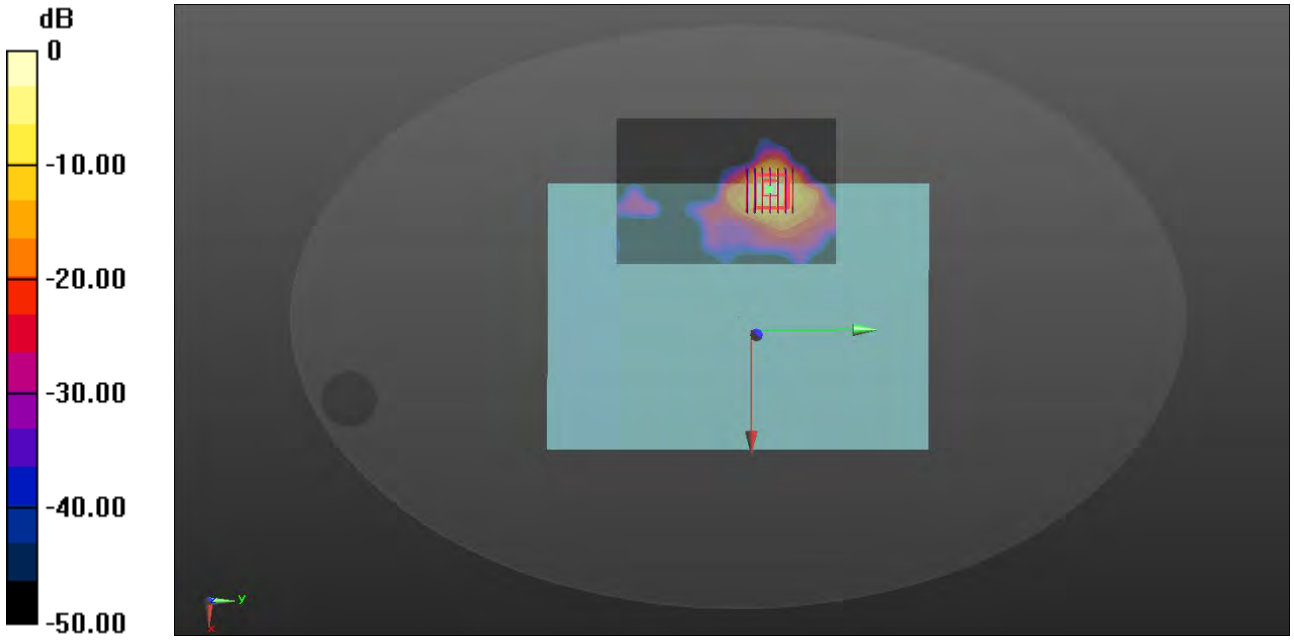
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0343 W/kg

Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.2460 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0700 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0333 W/kg



0 dB = 0.0333 W/kg

MEAS.79 Body Plane with Back Side 15mm on Low Channel in Bluetooth mode with Main Antenna
Date: 2018.08.07
Communication System Band: BT;Frequency: 2402 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.891 S/m; ε_r = 53.078; ρ = 1000 kg/m^3
Phantom section: Flat Section

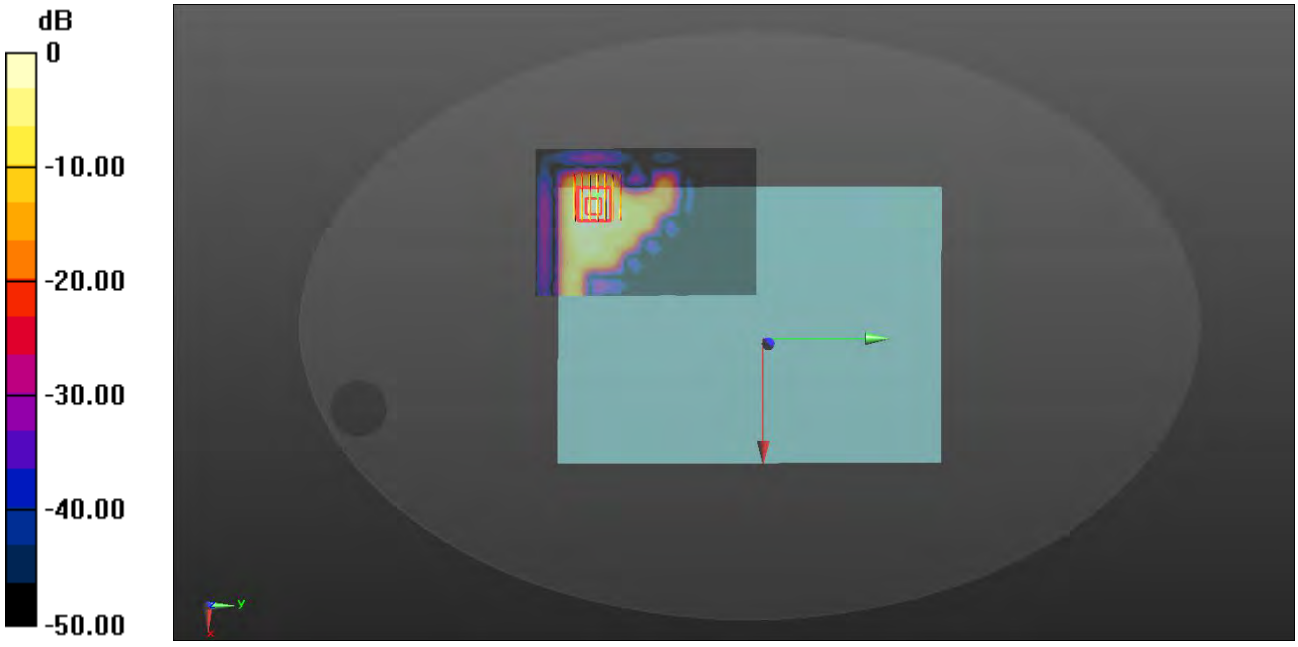
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00579 W/kg

Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0210 W/kg
SAR(1 g) = 0.00307 W/kg; SAR(10 g) = 0.00164 W/kg
Maximum value of SAR (measured) = 0.00487W/kg



0 dB = 0.00487 W/kg

MEAS.80 Body Plane with Back Side 15mm on High Channel in Bluetooth mode with Aux Antenna
Date: 2018.08.07
Communication System Band: BT;Frequency: 2480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 2.071 S/m; ε_r = 51.028; ρ = 1000 kg/m^3
Phantom section: Flat Section

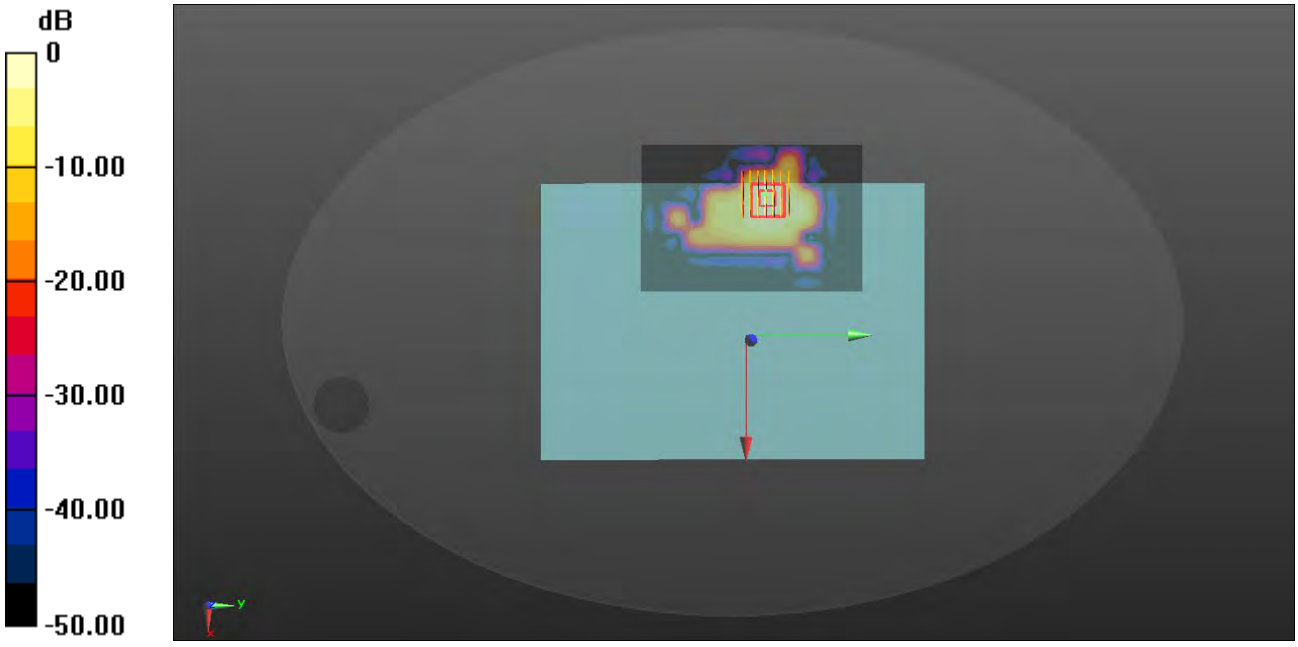
Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.8, 7.8, 7.8); Calibrated: 2018.07.14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2018.01.11
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00617 W/kg

Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.168 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0229W/kg
SAR(1 g) = 0.00431 W/kg; SAR(10 g) = 0.002 W/kg
Maximum value of SAR (measured) = 0.00501 W/kg



0 dB = 0.00501 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ1870481-Aw.pdf”

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ1870481-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--