

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 3/11/2019

LTE Band 17-Front of face

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.883 \text{ S/m}$; $\epsilon_r = 44.334$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:23.0°C;Liquid Temperature:22.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(10.35, 10.35, 10.35) @ 710 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 23790/Area Scan (51x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.0197 W/kg

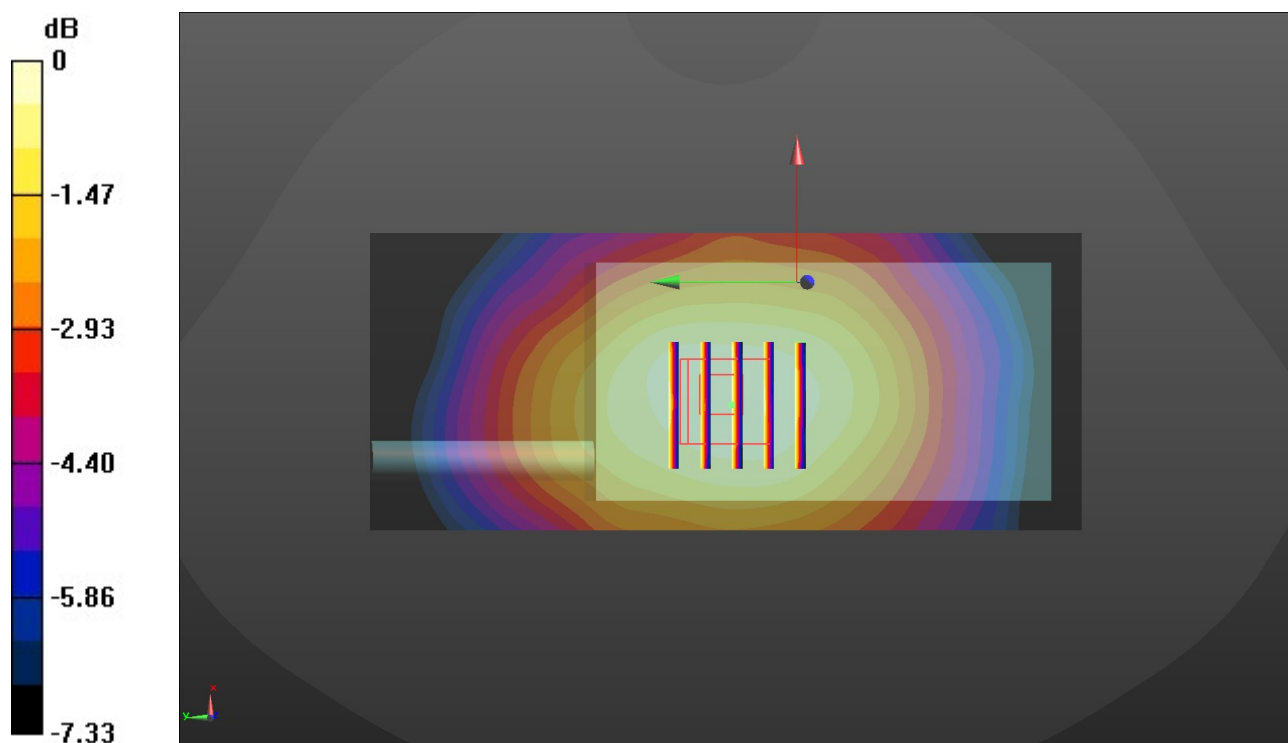
Front/CH 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.651 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0240 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0194 W/kg



0 dB = 0.0194 W/kg = -17.12 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

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LTE Band 17-Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 55.736$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

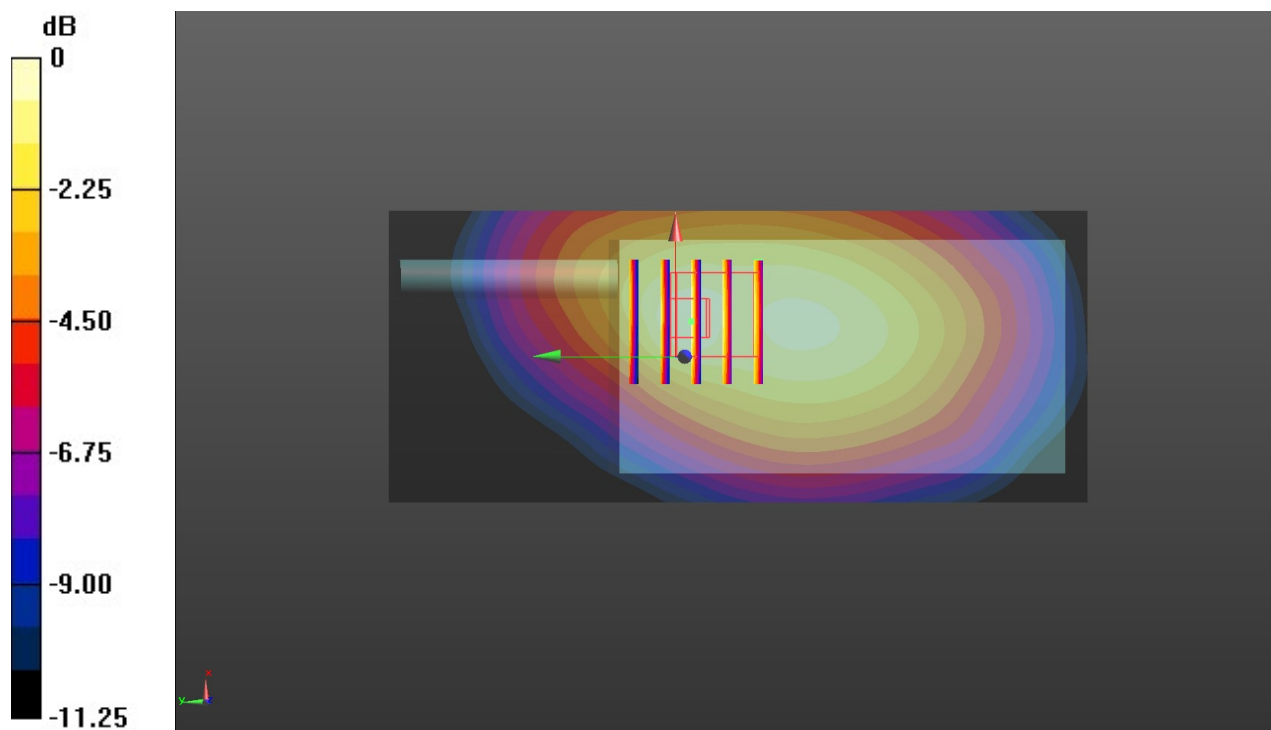
Ambient Temperature:22.9°C;Liquid Temperature:22.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(10.52, 10.52, 10.52) @ 710 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 23790/Area Scan (51x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.0718 W/kg

Rear/CH 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 5.656 V/m ; Power Drift = 0.10 dB Peak SAR (extrapolated) = 0.100 W/kg **SAR(1 g) = 0.063 W/kg ; SAR(10 g) = 0.043 W/kg** Maximum value of SAR (measured) = 0.0694 W/kg 0 dB = 0.0694 W/kg = -11.59 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 3/14/2019

WIFI 2.4G-Front of face

Communication System: UID 0, Generic WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.64, 7.64, 7.64) @ 2462 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH11/Area Scan (61x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0245 W/kg

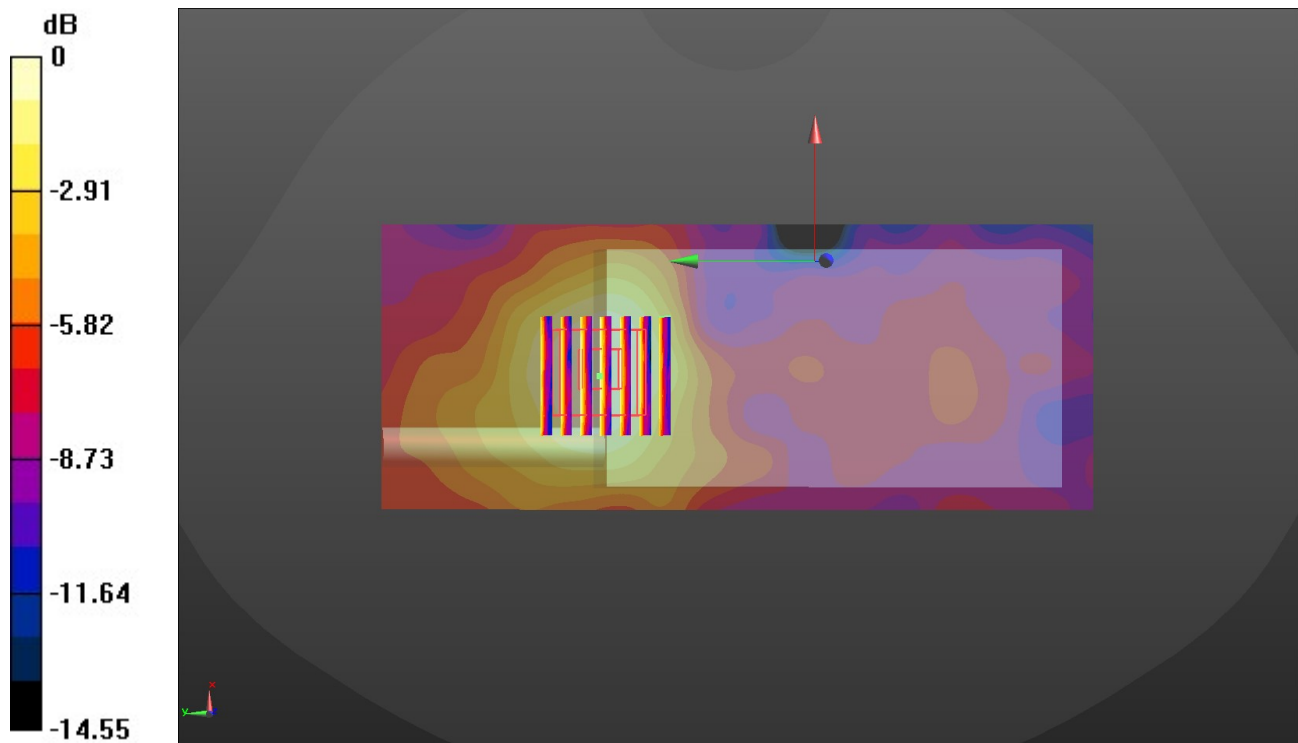
Front/CH11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.305 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0380 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0230 W/kg



0 dB = 0.0230 W/kg = -16.38 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 3/14/2019

WIFI 2.4G-Body

Communication System: UID 0, Generic WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.012$ S/m; $\epsilon_r = 52.998$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

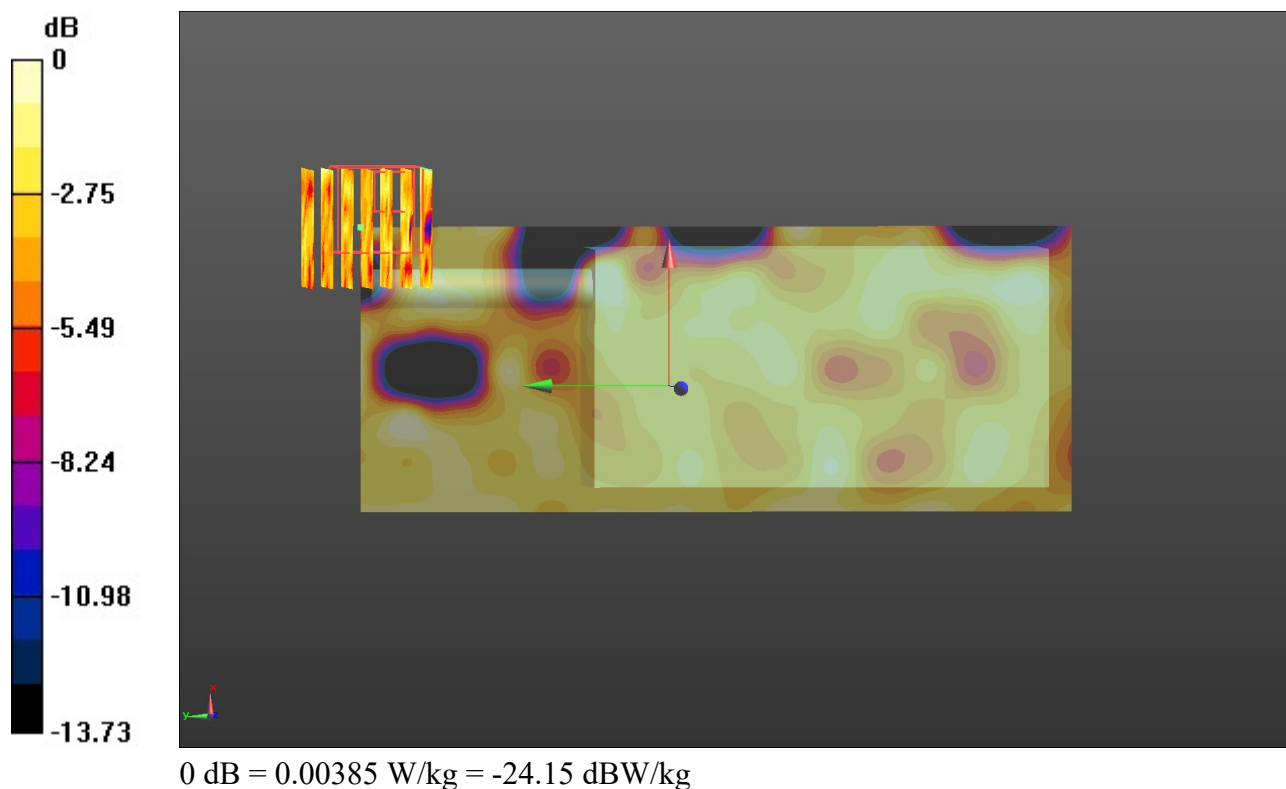
Ambient Temperature:22.9°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.81, 7.81, 7.81) @ 2462 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 11/Area Scan (61x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
 Maximum value of SAR (interpolated) = 0.00963 W/kg

Rear/CH 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 0.7470 V/m; Power Drift = 0.17 dB
 Peak SAR (extrapolated) = 0.00513 W/kg
SAR(1 g) = 0.0021 W/kg; SAR(10 g) = 0.00177 W/kg
 Maximum value of SAR (measured) = 0.00385 W/kg



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Date: 3/18/2019

WIFI 5G Band 1-Front of face

Communication System: UID 0, Generic WIFI (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.52$ S/m; $\epsilon_r = 36.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:23.1°C;Liquid Temperature:22.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(5.29, 5.29, 5.29) @ 5200 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 40/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0139 W/kg

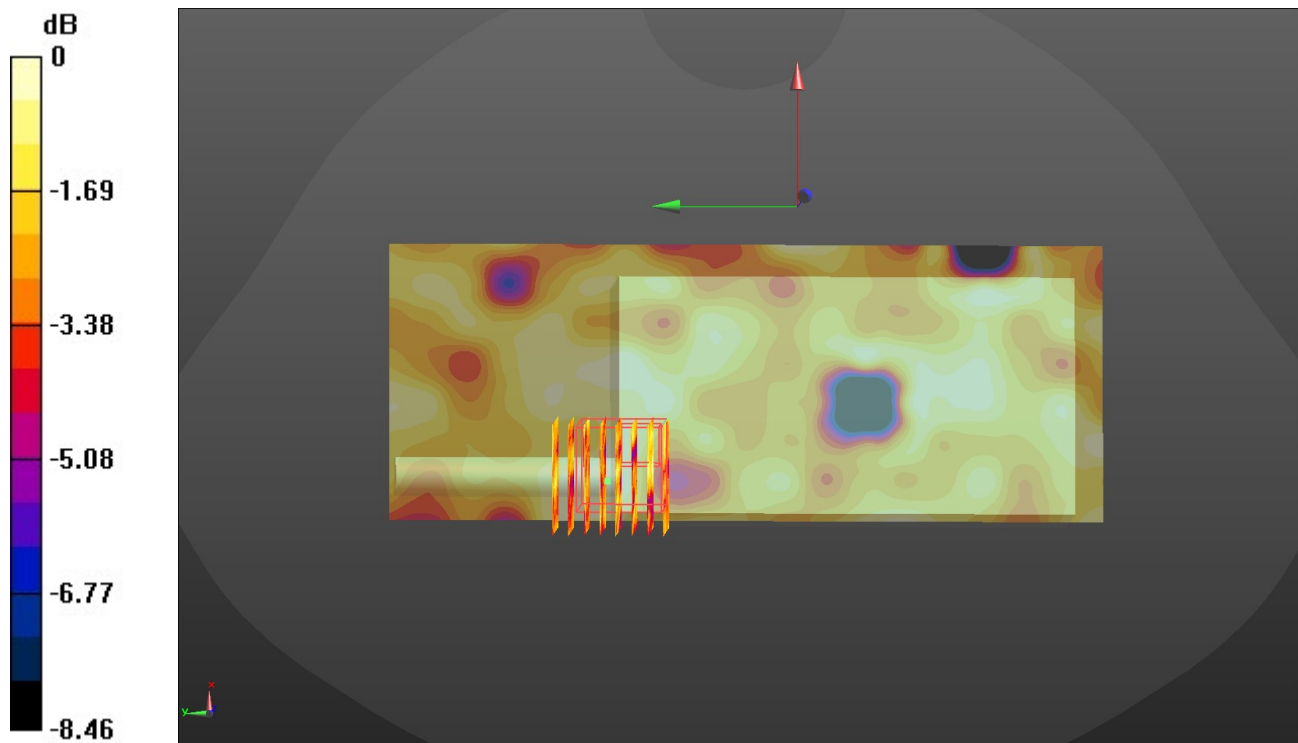
Front/CH 40/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9950 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0520 W/kg

SAR(1 g) = 0.00845 W/kg; SAR(10 g) = 0.00711 W/kg

Maximum value of SAR (measured) = 0.0133 W/kg



0 dB = 0.0133 W/kg = -18.76 dBW/kg

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WIFI 5G Band 1-Body

Communication System: UID 0, Generic WIFI (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.381$ S/m; $\epsilon_r = 48.152$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9°C;Liquid Temperature:22.5°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.65, 4.65, 4.65) @ 5200 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 40/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0163 W/kg

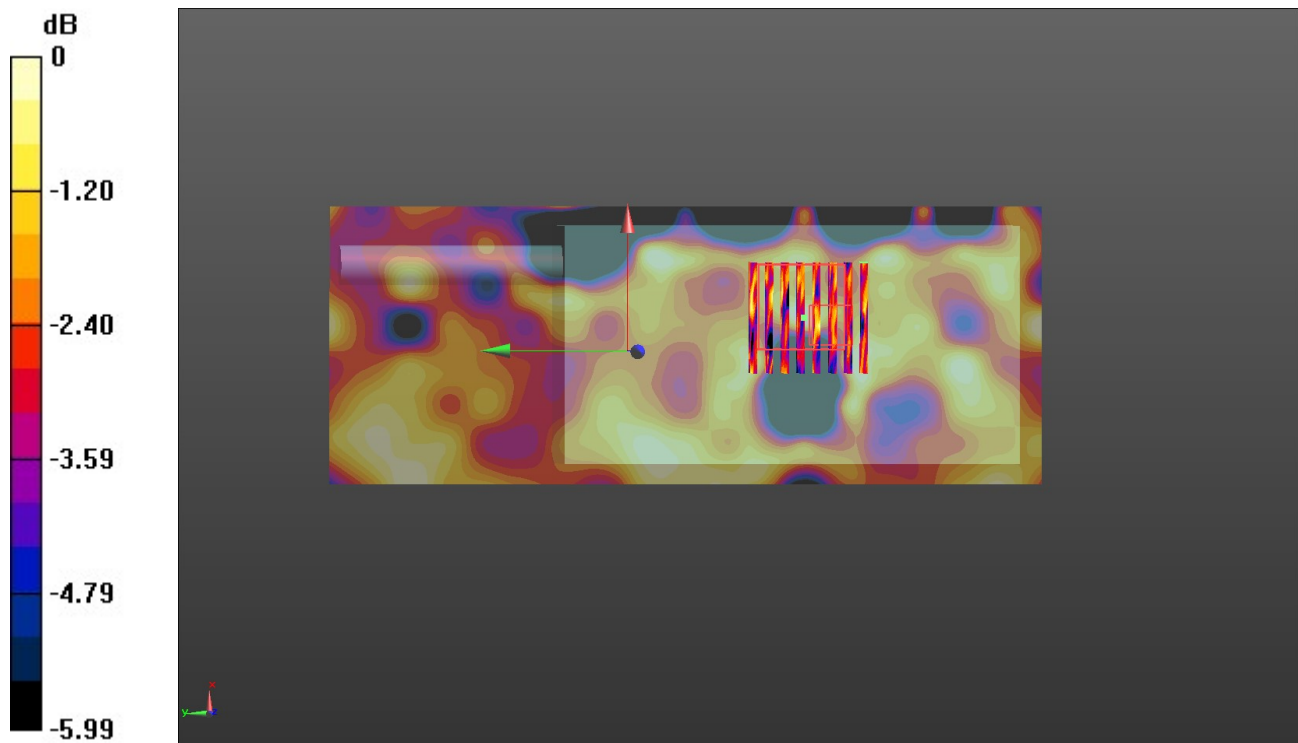
Rear/CH 40/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8040 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0740 W/kg

SAR(1 g) = 0.00942 W/kg; SAR(10 g) = 0.00767 W/kg

Maximum value of SAR (measured) = 0.0148 W/kg



0 dB = 0.0148 W/kg = -18.30 dBW/kg

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Date: 3/18/2019

WIFI 5G Band 2a-Front of face

Communication System: UID 0, Generic WIFI (0); Frequency: 5320 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.651$ S/m; $\epsilon_r = 36.016$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8°C;Liquid Temperature:22.5°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(5.29, 5.29, 5.29) @ 5320 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 64/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0169 W/kg

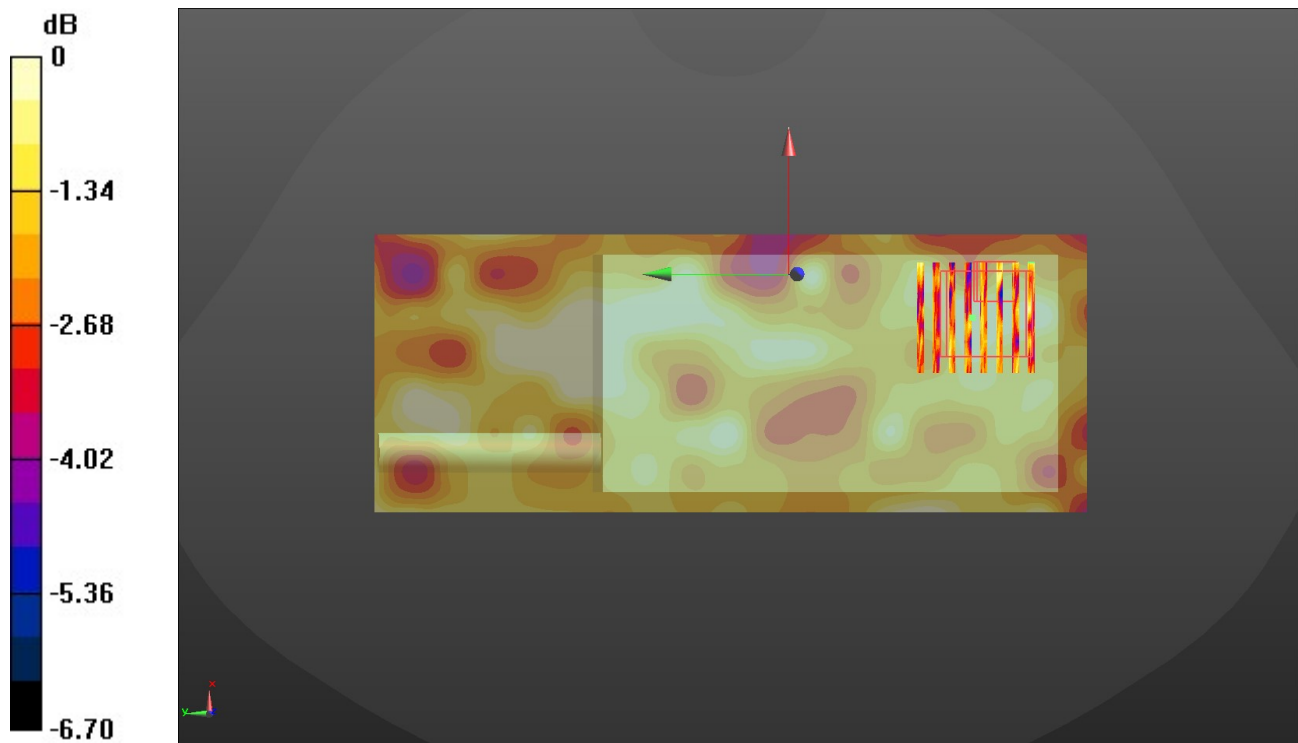
Front/CH 64/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.307 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0620 W/kg

SAR(1 g) = 0.00951 W/kg; SAR(10 g) = 0.0078 W/kg

Maximum value of SAR (measured) = 0.0139 W/kg



0 dB = 0.0139 W/kg = -18.57 dBW/kg

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Date: 3/18/2019

WIFI 5G Band 2a-Body

Communication System: UID 0, Generic WIFI (0); Frequency: 5320 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.556$ S/m; $\epsilon_r = 47.883$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

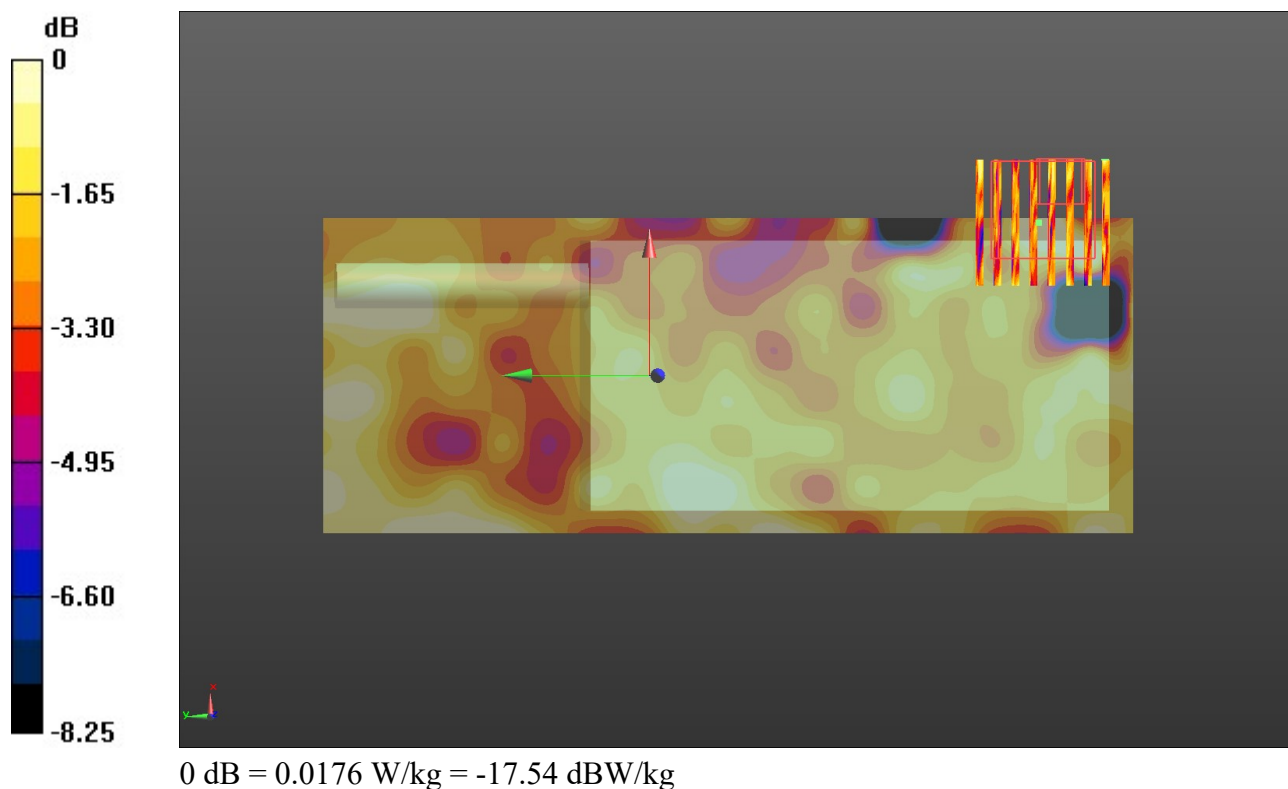
Ambient Temperature:22.9°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.65, 4.65, 4.65) @ 5320 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 64/Area Scan (71x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 0.0236 W/kg

Rear/CH 64/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
 Reference Value = 0.9270 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 0.0400 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00915 W/kg
 Maximum value of SAR (measured) = 0.0176 W/kg



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WIFI 5G Band 2c-Front of face

Communication System: UID 0, Generic WIFI (0); Frequency: 5700 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 5.077$ S/m; $\epsilon_r = 35.326$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

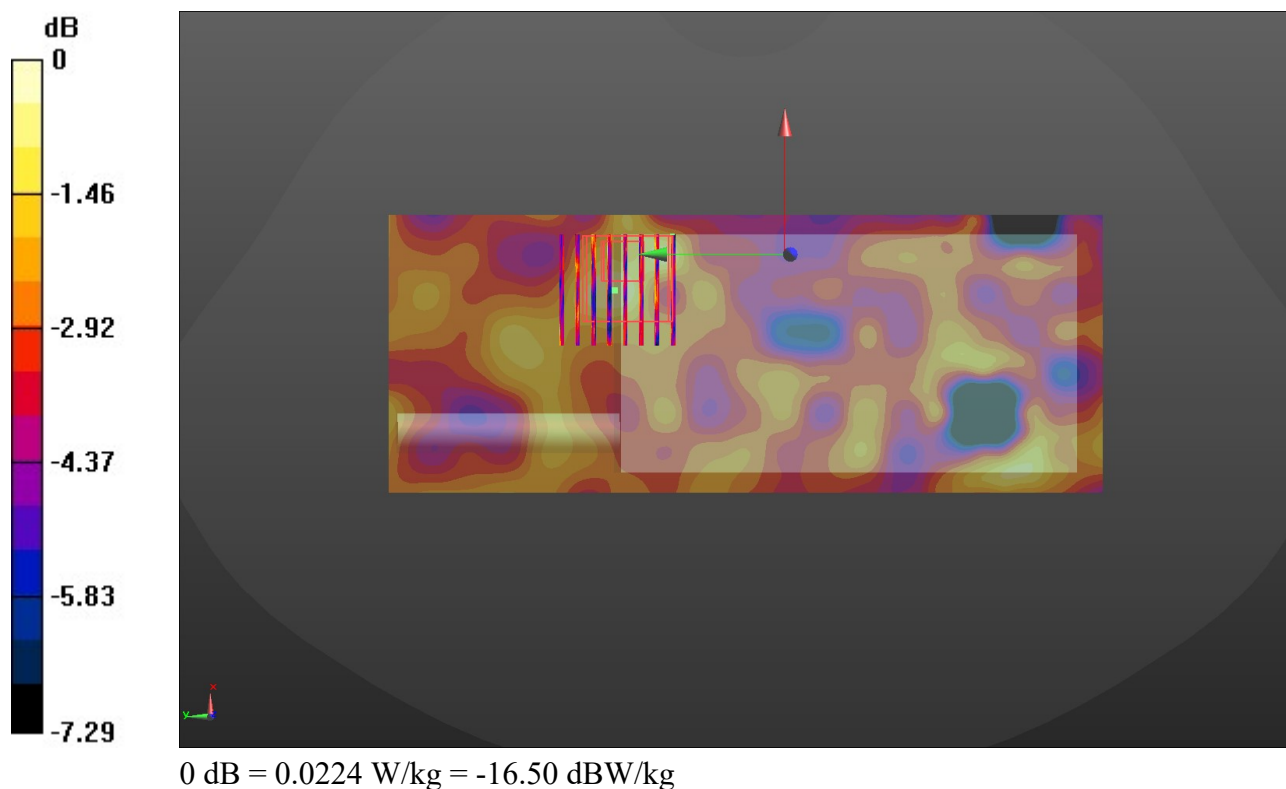
Ambient Temperature:22.9°C;Liquid Temperature:22.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.85, 4.85, 4.85) @ 5700 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 140/Area Scan (71x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 0.0198 W/kg

Front/CH 140/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
 Reference Value = 0.8600 V/m; Power Drift = 0.17 dB
 Peak SAR (extrapolated) = 0.0940 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.010 W/kg
 Maximum value of SAR (measured) = 0.0224 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 3/18/2019

WIFI 5G Band 2c-Body

Communication System: UID 0, Generic WIFI (0); Frequency: 5700 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 6.123$ S/m; $\epsilon_r = 47.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:23.1°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.27, 4.27, 4.27) @ 5700 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 140/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
 Maximum value of SAR (interpolated) = 0.0329 W/kg

Rear/CH 140/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 1.309 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 0.0250 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.010 W/kg
 Maximum value of SAR (measured) = 0.0189 W/kg

