

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

Date: 7/5/2019

GSM 850-Head

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.667

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 42.882$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Ambient Temperature:22.1°C;Liquid Temperature:21.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.41, 10.41, 10.41) @ 848.8 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- 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 251/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.278 W/kg

Front/CH 251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

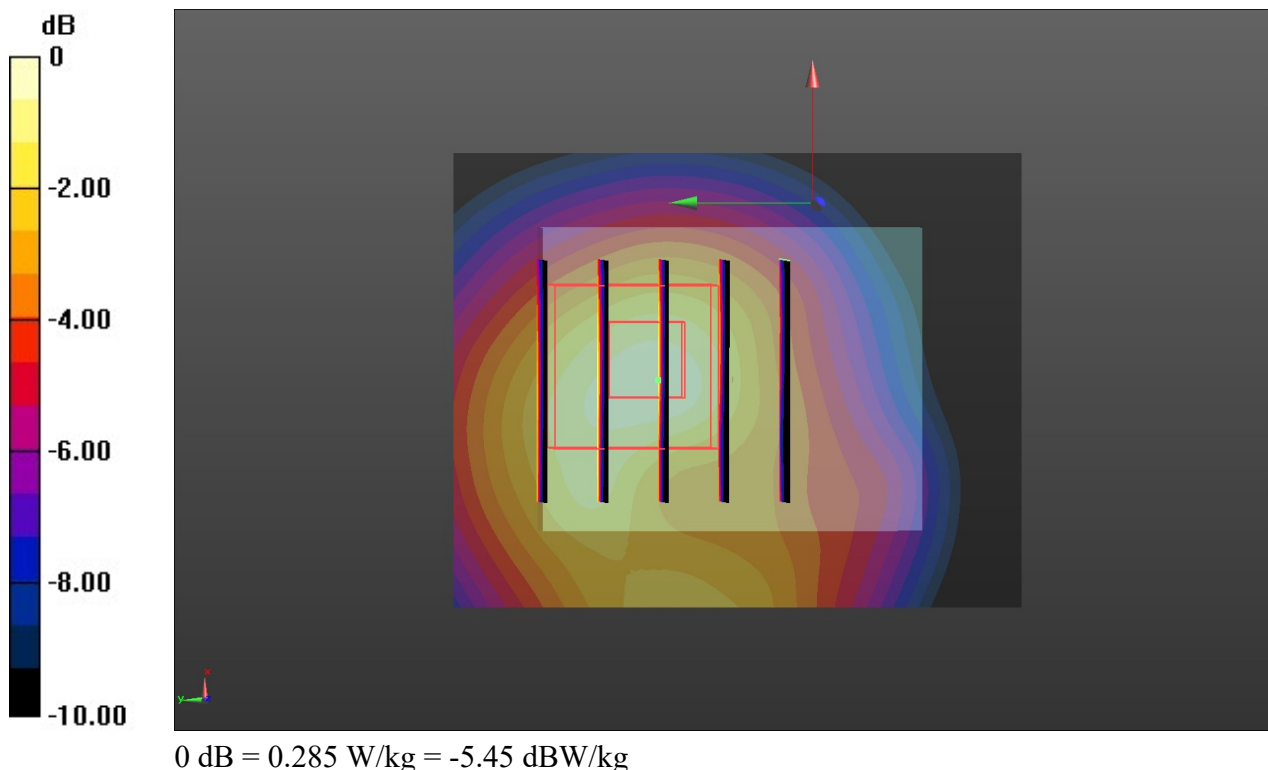
Reference Value = 14.63 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.100 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.285 W/kg



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

Date: 7/8/2019

GSM 1900-Head

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2-3) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.00447

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.469$ S/m; $\epsilon_r = 41.648$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.0°C;Liquid Temperature:21.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.57, 8.57, 8.57) @ 1909.8 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- 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 810/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.382 W/kg

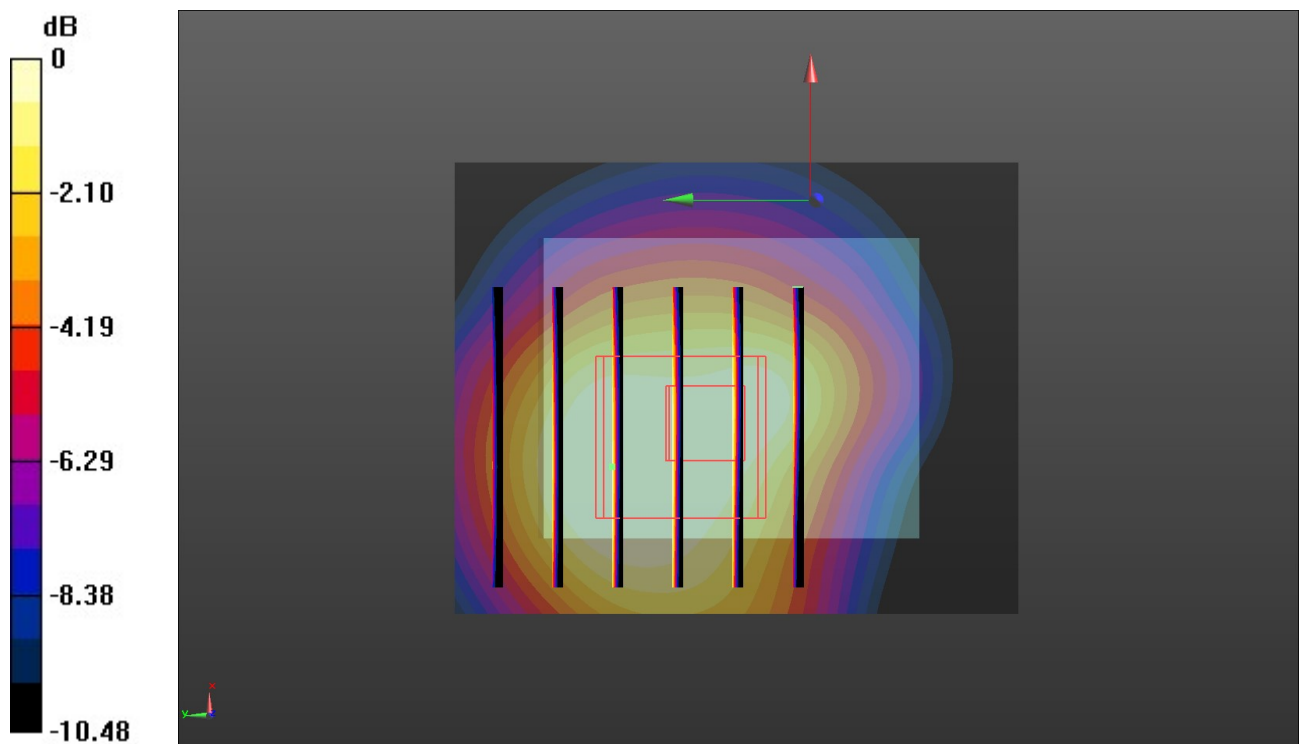
Front/CH 810/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.66 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

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

Date: 7/8/2019

WCDMA Band II-Head

Communication System: UID 0, Generic UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.468$ S/m; $\epsilon_r = 41.655$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:21.9°C;Liquid Temperature:21.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.57, 8.57, 8.57) @ 1907.6 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- 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 9538/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.738 W/kg

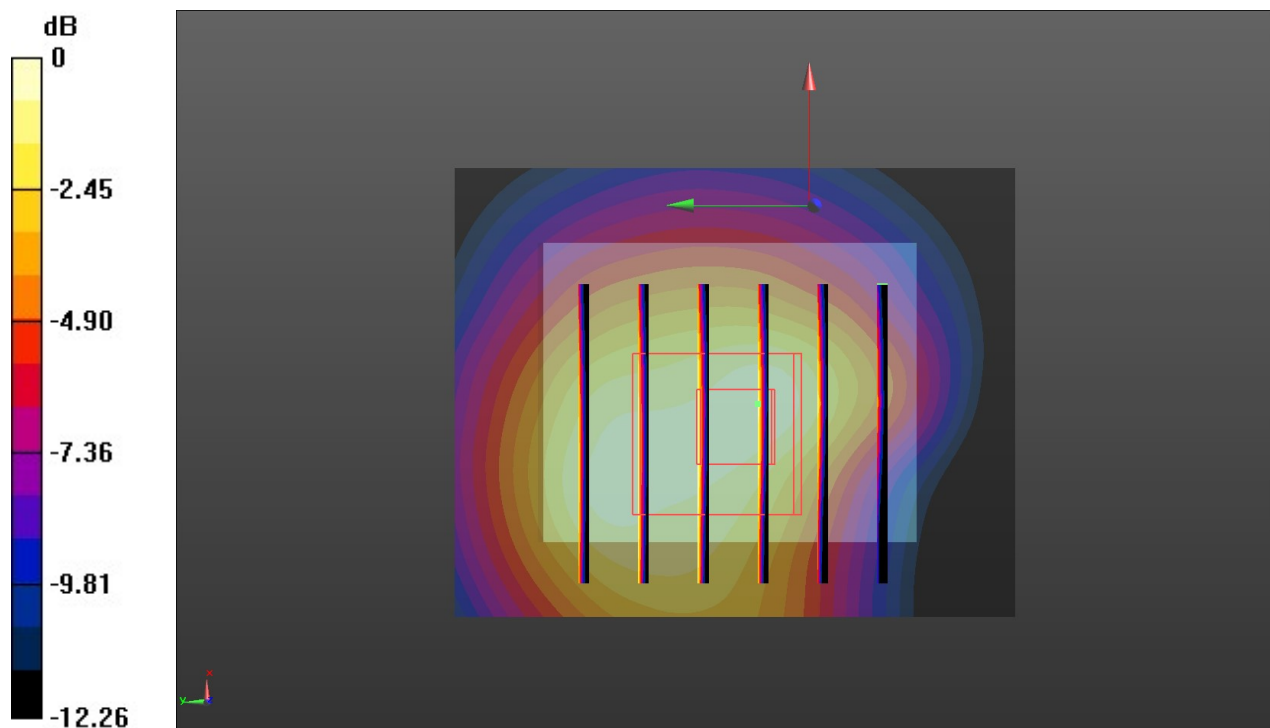
Front/CH 9538/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.72 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.881 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.307 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.736 W/kg



0 dB = 0.736 W/kg = -1.33 dBW/kg

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

Date: 7/5/2019

WCDMA Band V-Head

Communication System: UID 0, Generic UMTS (0); Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 43.963$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2°C;Liquid Temperature:22.0°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.41, 10.41, 10.41) @ 826.4 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- 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 4132/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.207 W/kg

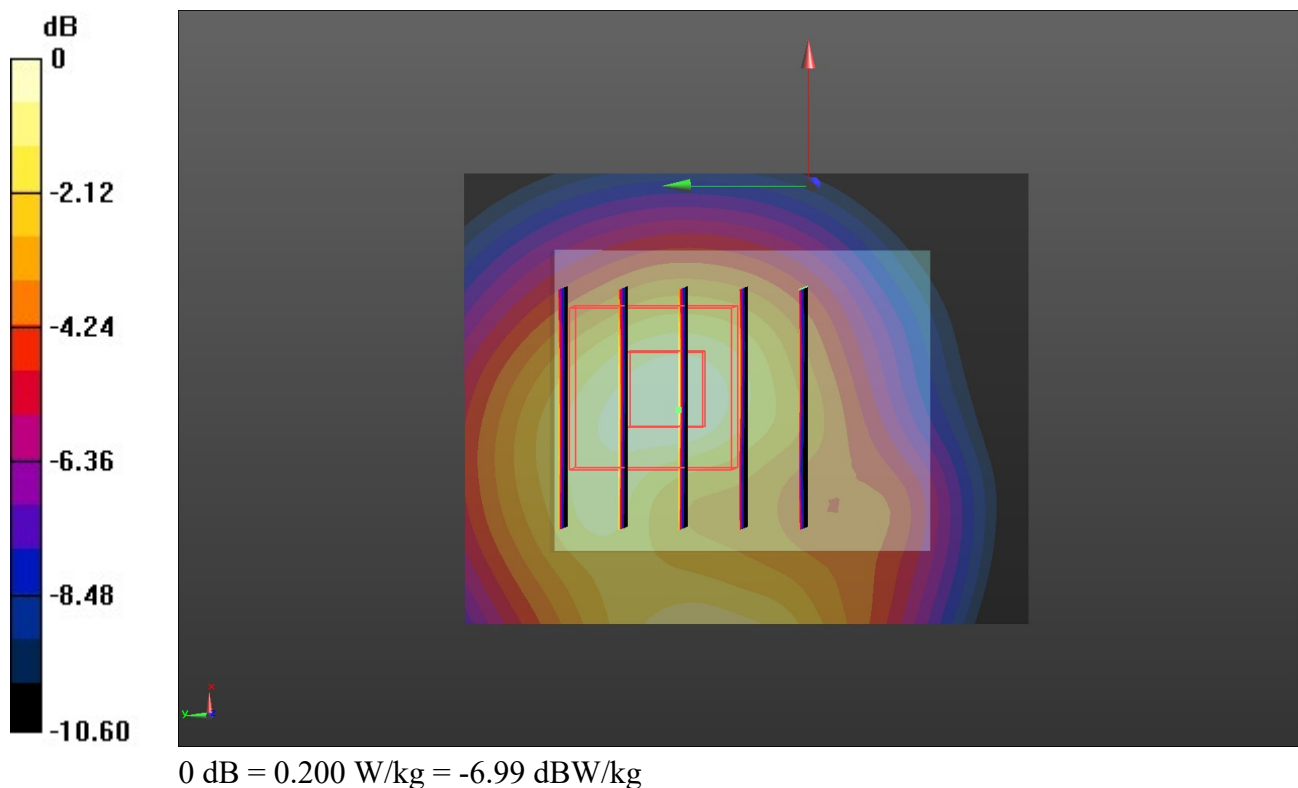
Front/CH 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.31 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.072 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.200 W/kg



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

Date: 7/9/2019

WiFi 2.4G-Head

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.818$ S/m; $\epsilon_r = 41.03$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3°C;Liquid Temperature:22.0°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2412 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- 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 1/Area Scan (51x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0322 W/kg

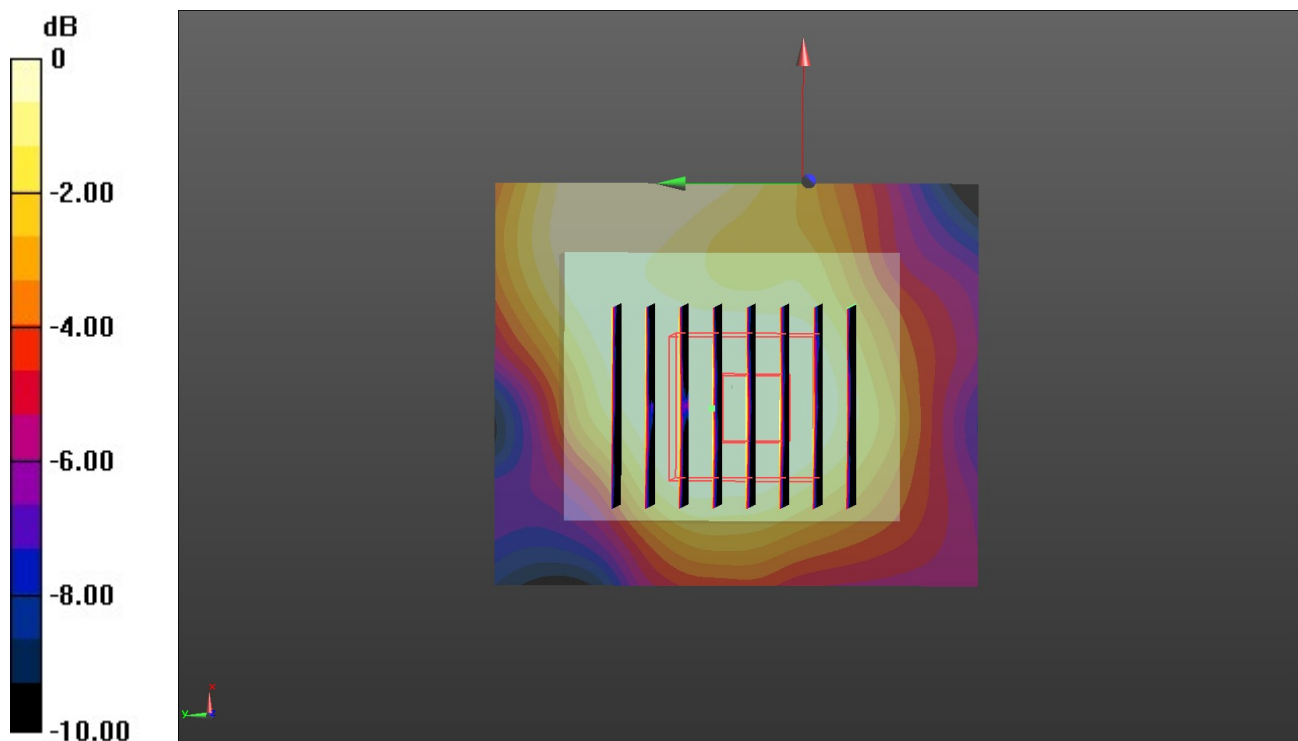
Front/CH 1/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.535 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0410 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00563 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0267 W/kg



0 dB = 0.0267 W/kg = -15.73 dBW/kg

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

Date: 7/5/2019

GSM 850-Limbs

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.667

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 42.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.0°C;Liquid Temperature:21.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.41, 10.41, 10.41) @ 848.8 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 251/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 2.02 W/kg

Rear/CH 251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

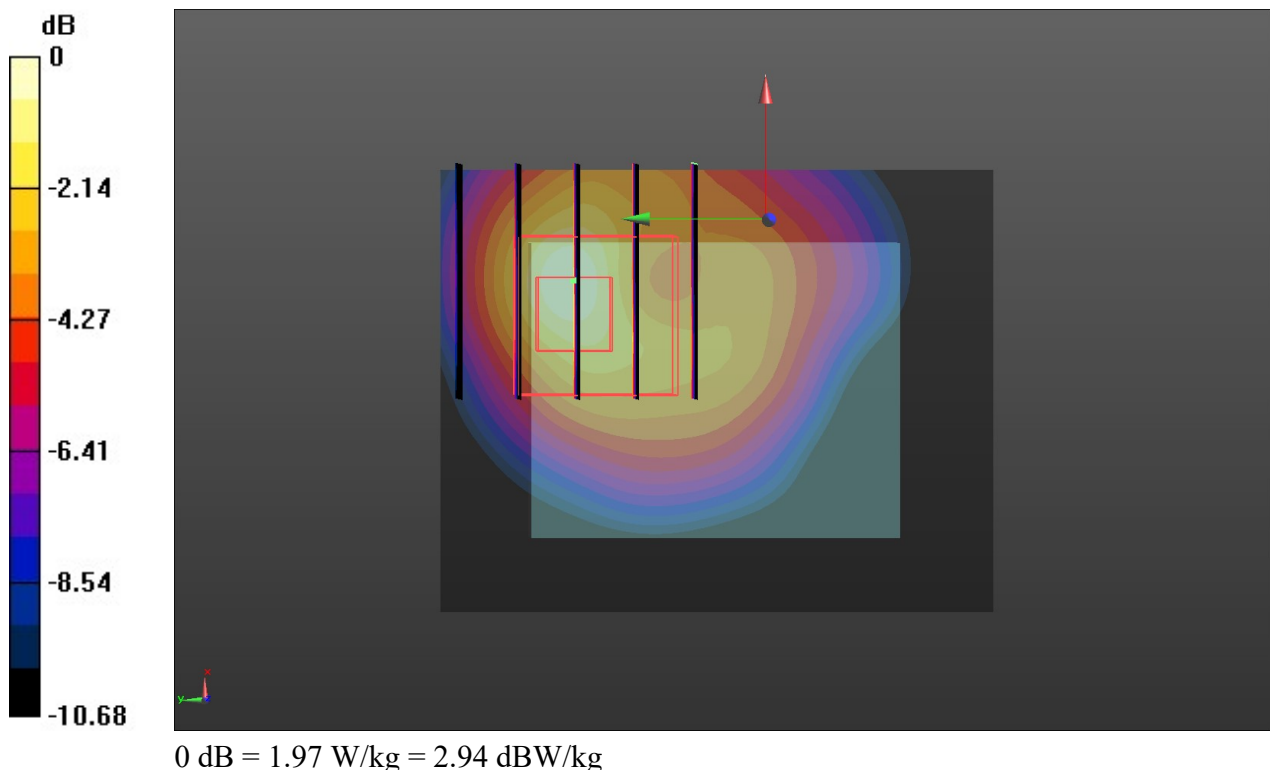
Reference Value = 29.86 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.567 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.97 W/kg



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

Date: 7/8/2019

GSM 1900-Limbs

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2-3) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.00447

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.469$ S/m; $\epsilon_r = 41.648$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1°C;Liquid Temperature:21.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.57, 8.57, 8.57) @ 1909.8 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 810/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

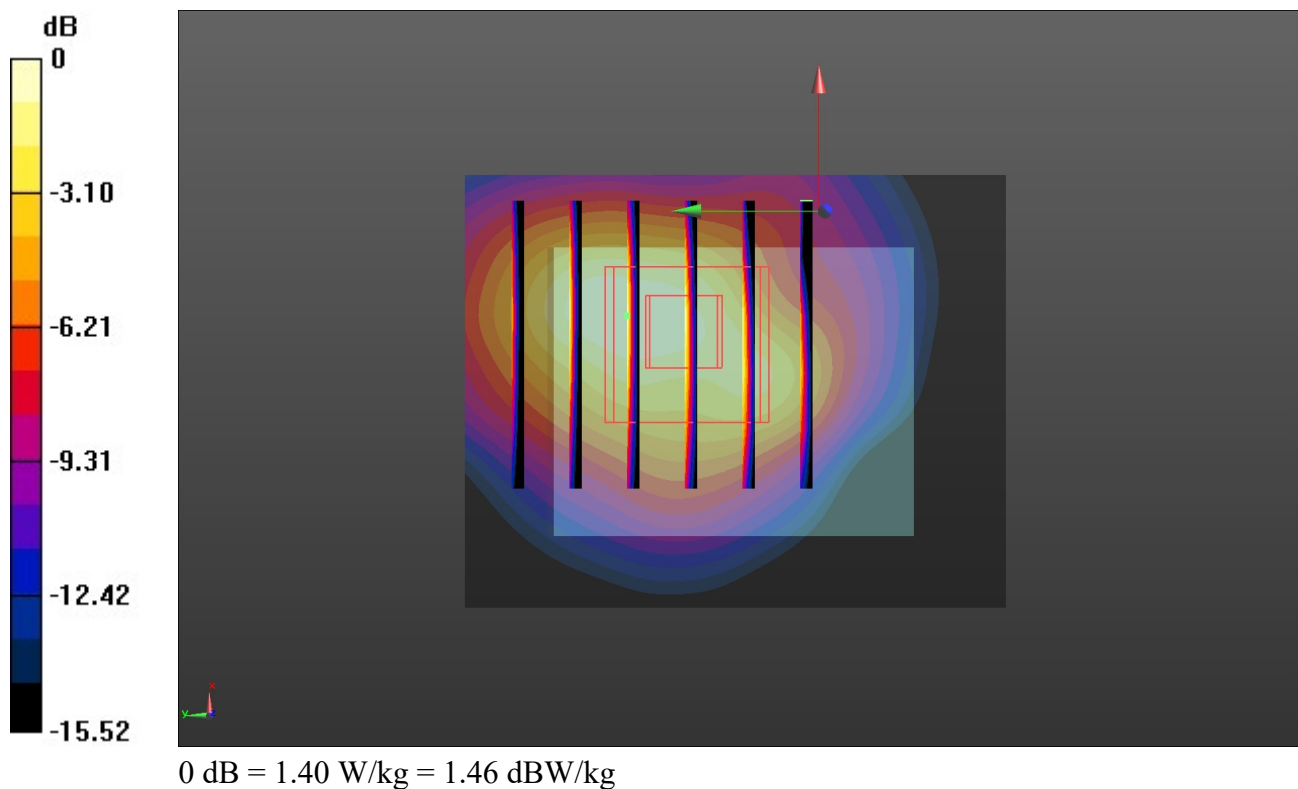
Rear/CH 810/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.24 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.436 W/kg

Maximum value of SAR (measured) = 1.40 W/kg



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

Date: 7/8/2019

WCDMA Band II-Limbs

Communication System: UID 0, Generic UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.468$ S/m; $\epsilon_r = 41.655$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1°C;Liquid Temperature:21.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.57, 8.57, 8.57) @ 1907.6 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 9538/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 3.28 W/kg

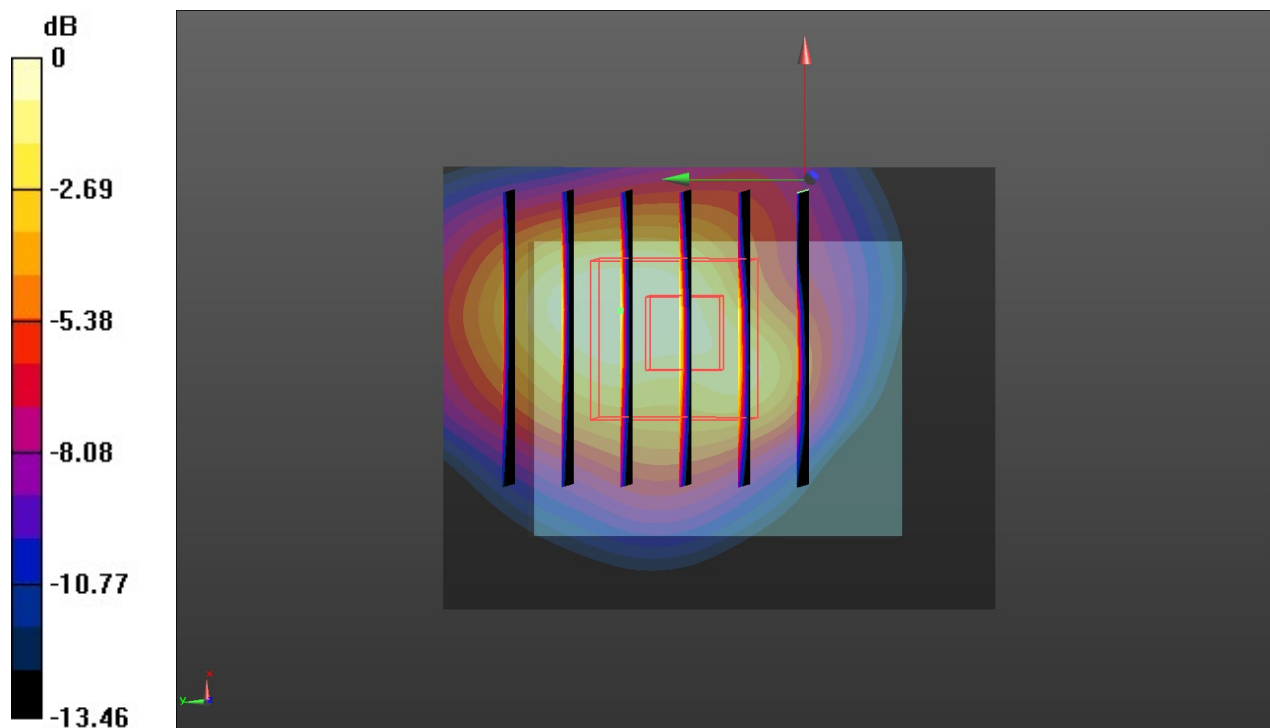
Rear/CH 9538/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.45 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.99 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.01 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 3.03 W/kg



0 dB = 3.03 W/kg = 4.81 dBW/kg

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

Date: 7/5/2019

WCDMA Band V-Limbs

Communication System: UID 0, Generic UMTS (0); Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 43.963$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2°C;Liquid Temperature:22.0°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.41, 10.41, 10.41) @ 826.4 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 4132/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.62 W/kg

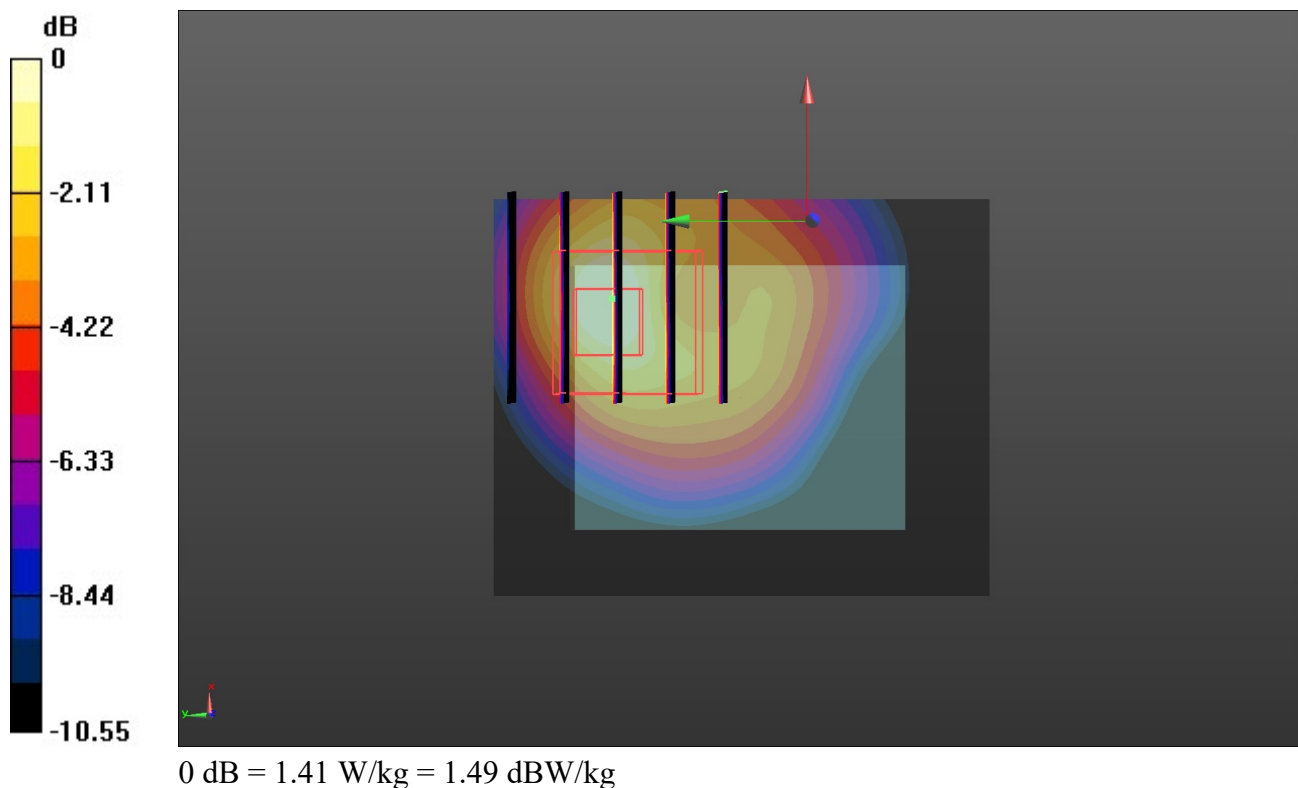
Rear/CH 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.04 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.400 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.41 W/kg



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

Date: 7/9/2019

WiFi 2.4G-Limbs

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.818$ S/m; $\epsilon_r = 41.03$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3°C;Liquid Temperature:22.1°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2412 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 1/Area Scan (51x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.16 W/kg

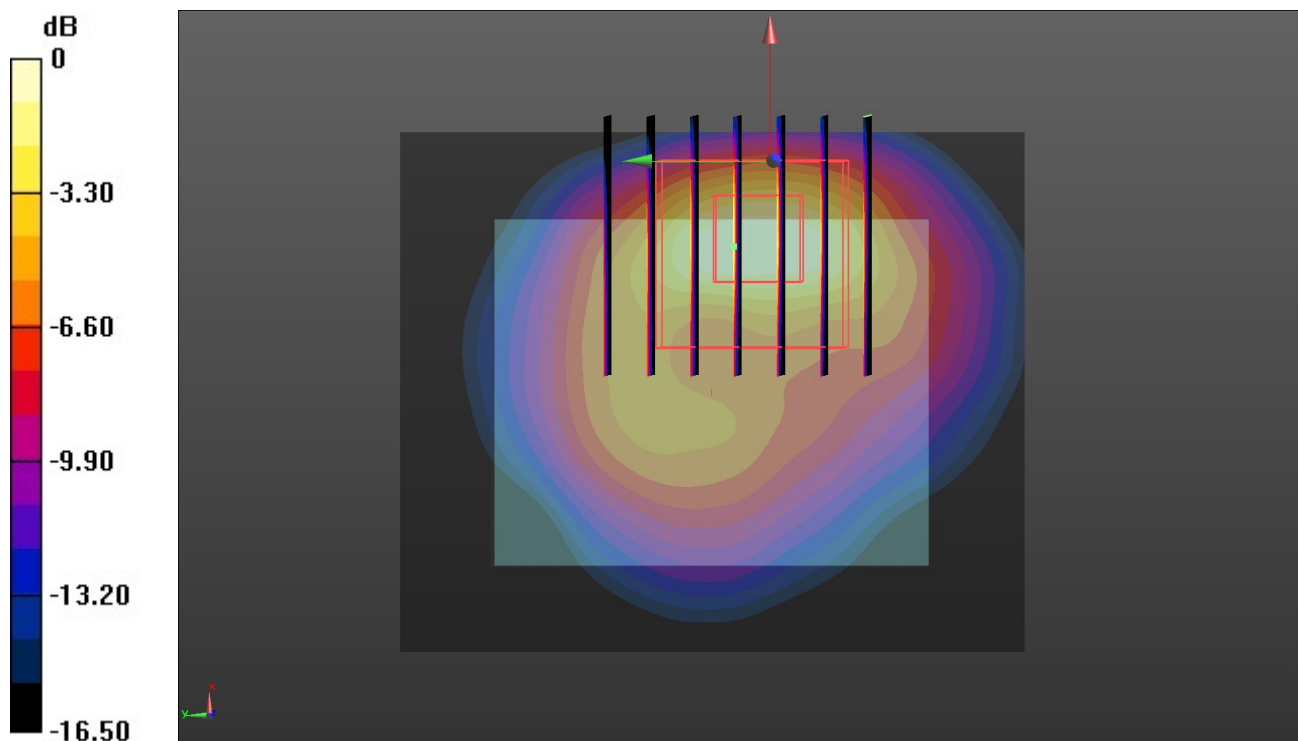
Rear/CH 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.92 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.210 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 1.13 W/kg = 0.53 dBW/kg