

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

Date: 7/12/2020

WCDMA Band II

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

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.461$ S/m; $\epsilon_r = 40.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.6, 8.6, 8.6) @ 1907.6 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 (51x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.44 W/kg

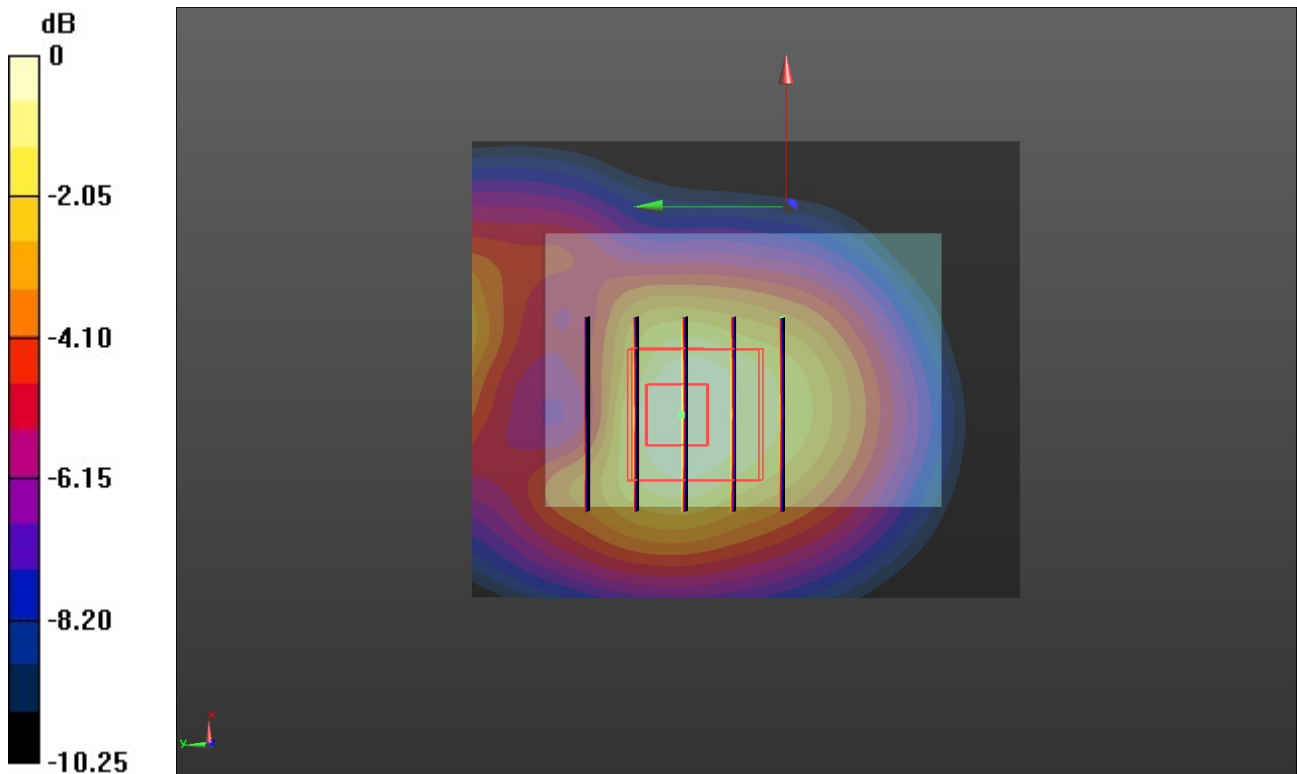
Rear/CH 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.58 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.569 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



WCDMA Band IV

Communication System: UID 0, Generic UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 40.726$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C; Liquid Temperature: 22.5°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.92, 8.92, 8.92) @ 1752.6 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 1513/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.853 W/kg

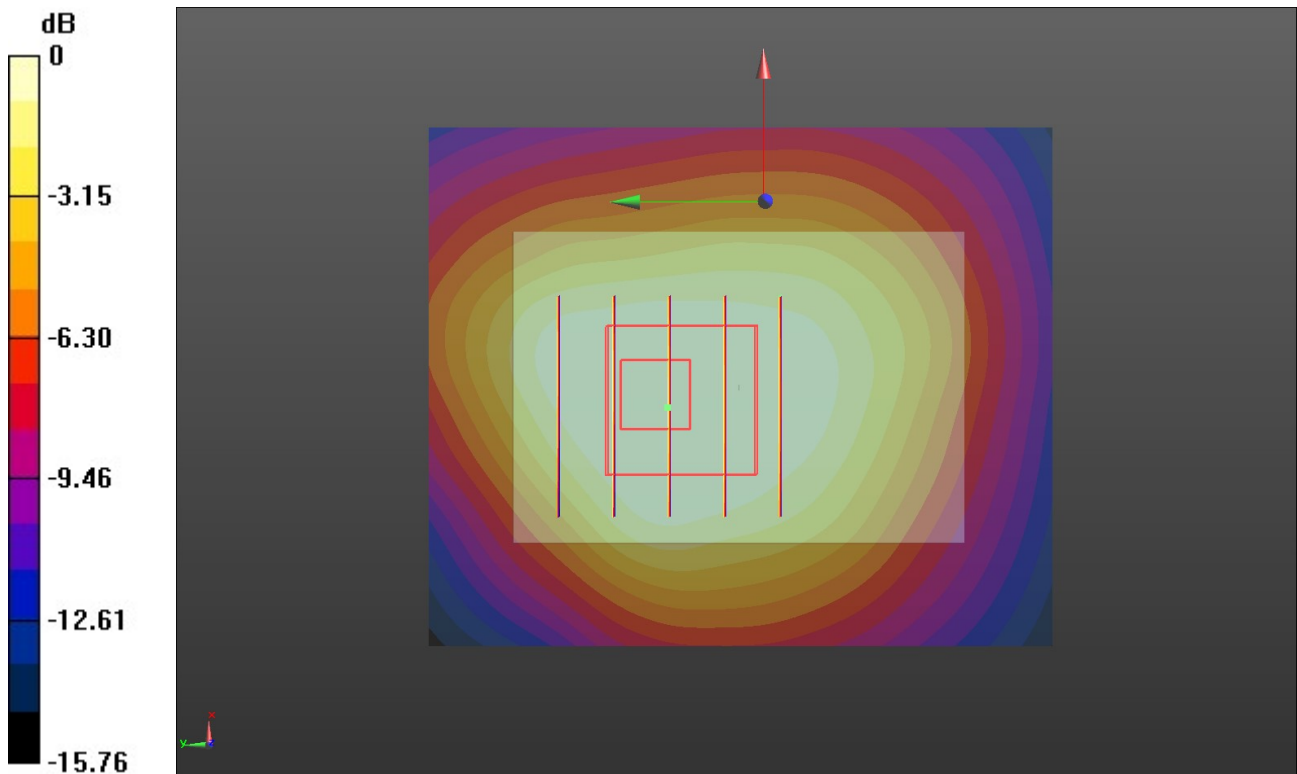
Rear/CH 1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.26 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.319 W/kg

Maximum value of SAR (measured) = 0.697 W/kg



0 dB = 0.697 W/kg = -1.57 dBW/kg

WCDMA Band V

Communication System: UID 0, Generic UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 42.673$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C; Liquid Temperature: 22.4°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.46, 10.46, 10.46) @ 846.6 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 4233/Area Scan (51x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.489 W/kg

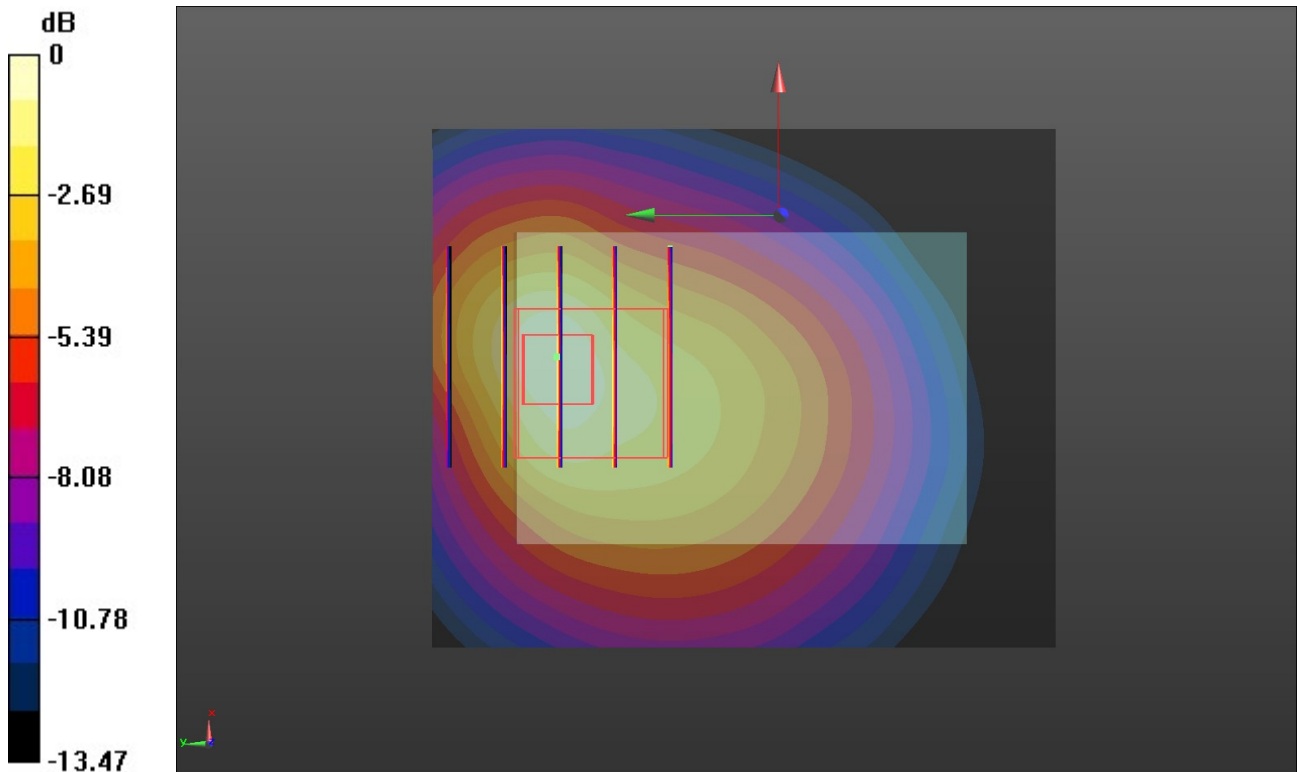
Rear/CH 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.97 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg = -3.11 dBW/kg

LTE Band 2

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.464$ S/m; $\epsilon_r = 40.499$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C; Liquid Temperature: 22.3°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.6, 8.6, 8.6) @ 1880 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 18900/Area Scan (51x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 2.10 W/kg

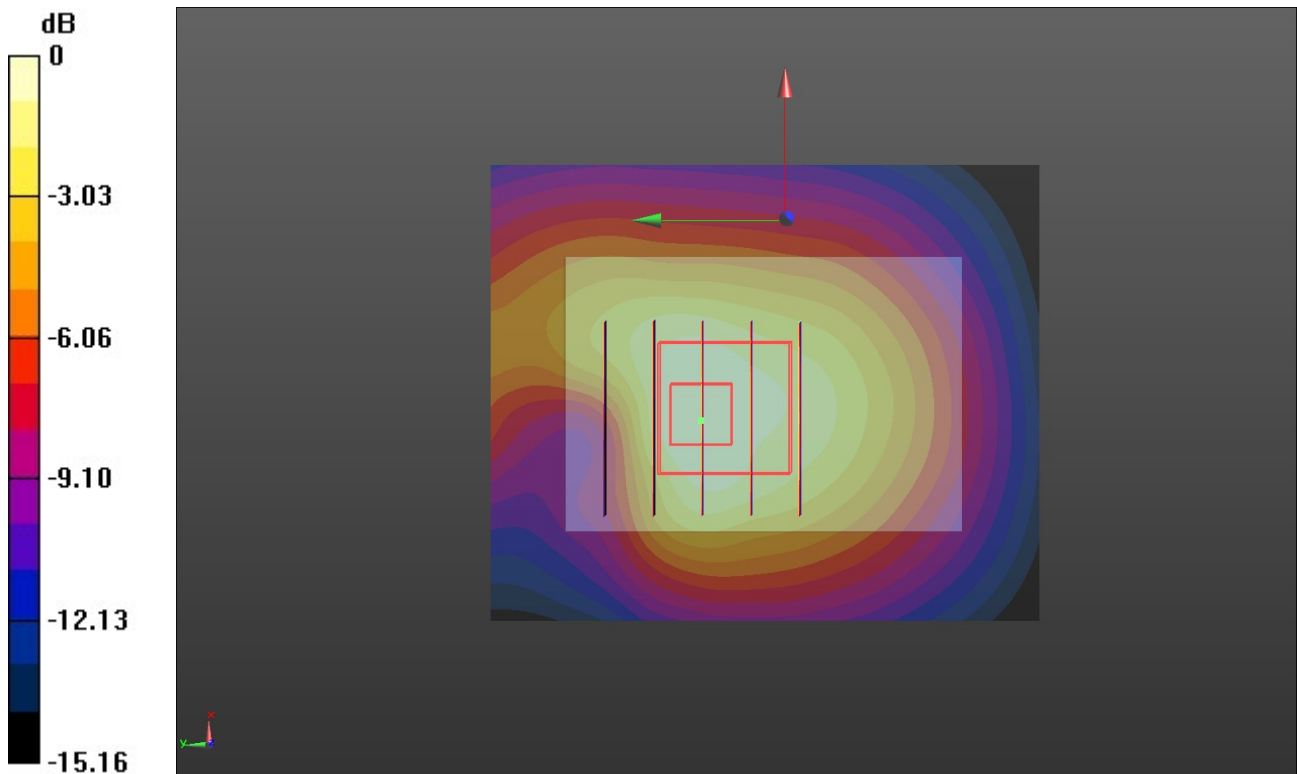
Rear/CH 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 32.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.758 W/kg

Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

LTE Band 4

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C; Liquid Temperature: 22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.92, 8.92, 8.92) @ 1745 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 20300/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.652 W/kg

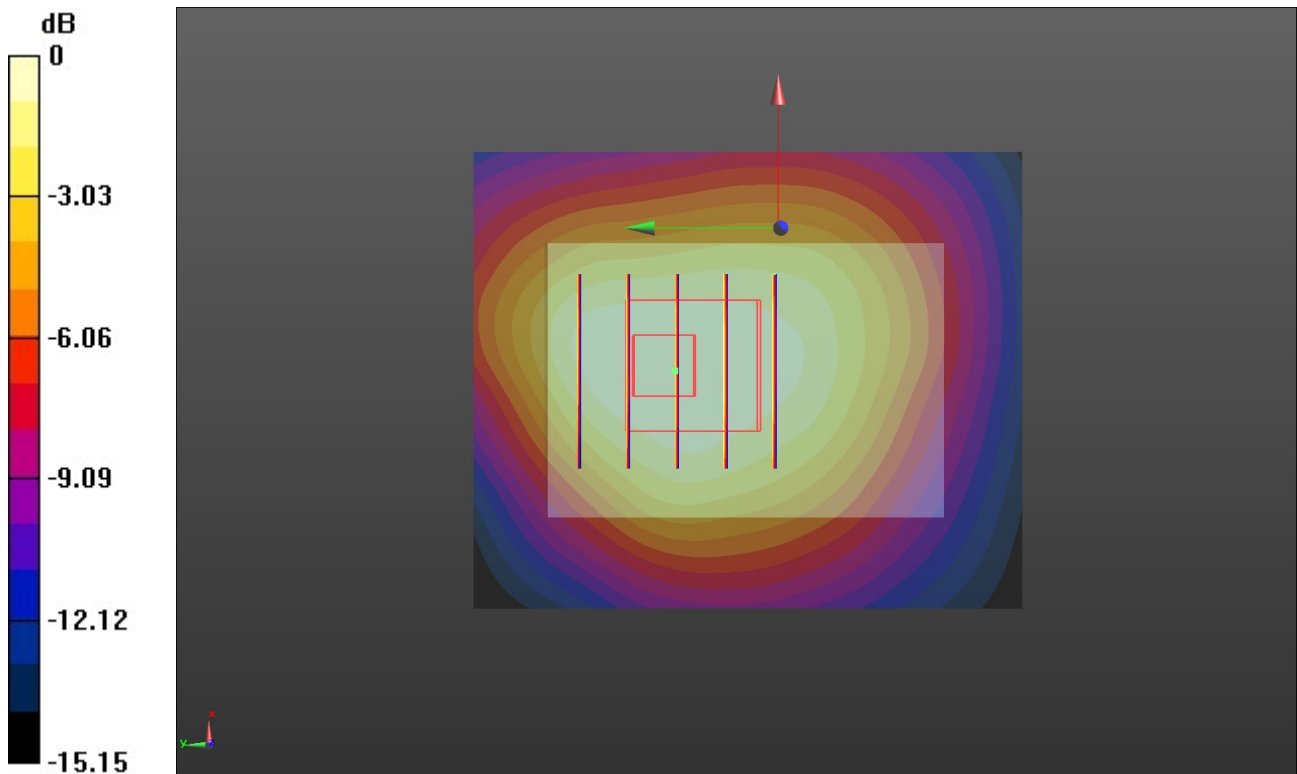
Rear/CH 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.29 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg = -2.20 dBW/kg

LTE Band 12

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 43.119$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.76, 10.76, 10.76) @ 704 MHz; Calibrated: 4/1/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/4/2020
- 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 23060/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.455 W/kg

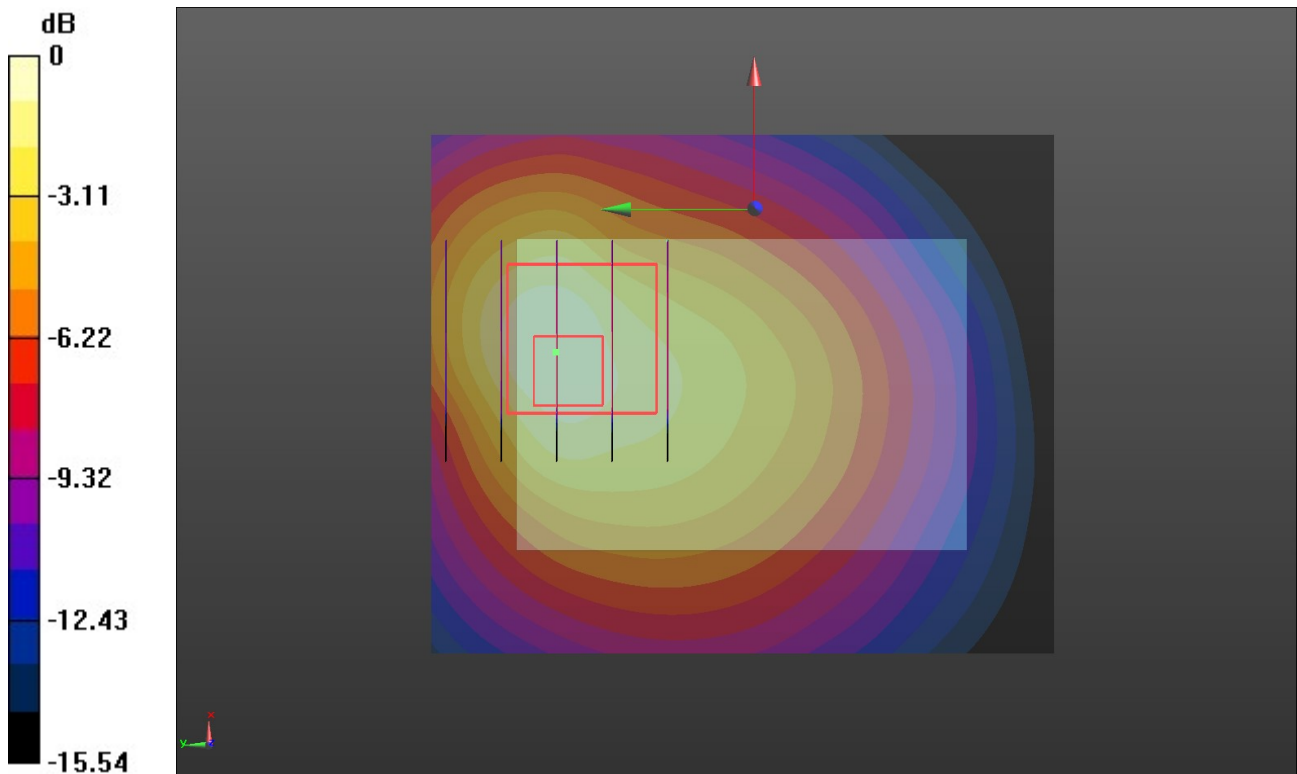
Rear/CH 23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.64 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg = -3.84 dBW/kg