

GSM 850

DUT: Intel FZMK440002J

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 4 slot) (0); Communication System Band: GSM850; Frequency: 836.6 MHz; Communication System PAR: 3.01 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 53.539$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3929 _ No Surface; ConvF(9.21, 9.21, 9.21); Calibrated: 09.05.2014;
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4.35mm (Fix Surface), $z = 101.0$
- Electronics: DAE4 Sn1377; Calibrated: 27.08.2014
- Phantom: WATCH_PHANTOM_141202; ;
- DASYS52 52.8.8(1222); SEMCAD X 14.9.7285(0)

Wrist/GPRS 4 Slots/ ch 190/Area Scan (111x131x1): Interpolated grid: $dx=0.4000$ mm, $dy=0.4000$ mm

Reference Value = 19.84 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.23 W/kg

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

Warning: Max. Deviation from surface normal is 55° (see IEC/IEEE measurement standards).

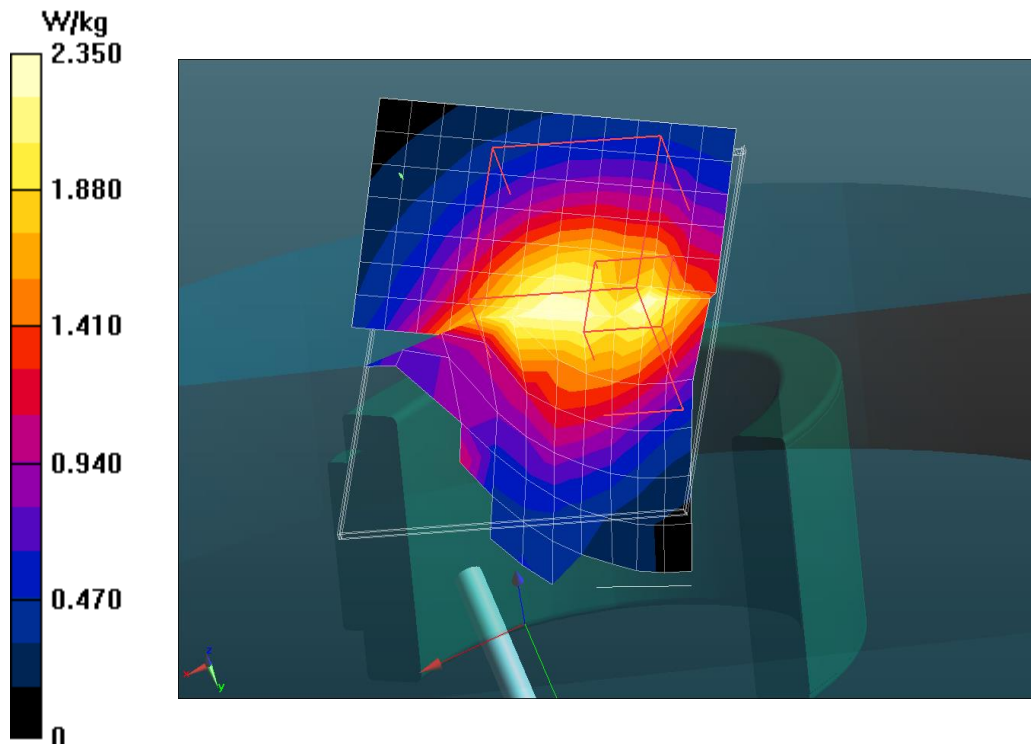
Maximum value of SAR (interpolated) = 5.87 W/kg

Wrist/GPRS 4 Slots/ ch 190/Area Scan (12x14x1): Measurement grid: $dx=4$ mm, $dy=4$ mm

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

Warning: Max. Deviation from surface normal is 55° (see IEC/IEEE measurement standards).

Maximum value of SAR (measured) = 2.35 W/kg



GSM 1900

DUT: Intel FZMK440002J

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 4 slot) (0); Communication System Band: GSM1900; Frequency: 1880 MHz; Communication System PAR: 3.01 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 51.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3929 _ No Surface; ConvF(7.25, 7.25, 7.25); Calibrated: 09.05.2014;
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4.08mm (Fix Surface), $z = 101.0$
- Electronics: DAE4 Sn1377; Calibrated: 27.08.2014
- Phantom: WATCH_PHANTOM_141202; ;
- DASYS52 52.8.8(1222); SEMCAD X 14.9.7285(0)

Wrist/GPRS 4 Slots/ ch 661/Area Scan (111x131x1): Interpolated grid: $dx=0.4000$ mm, $dy=0.4000$ mm

Reference Value = 6.928 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 2.67 W/kg; SAR(10 g) = 0.964 W/kg

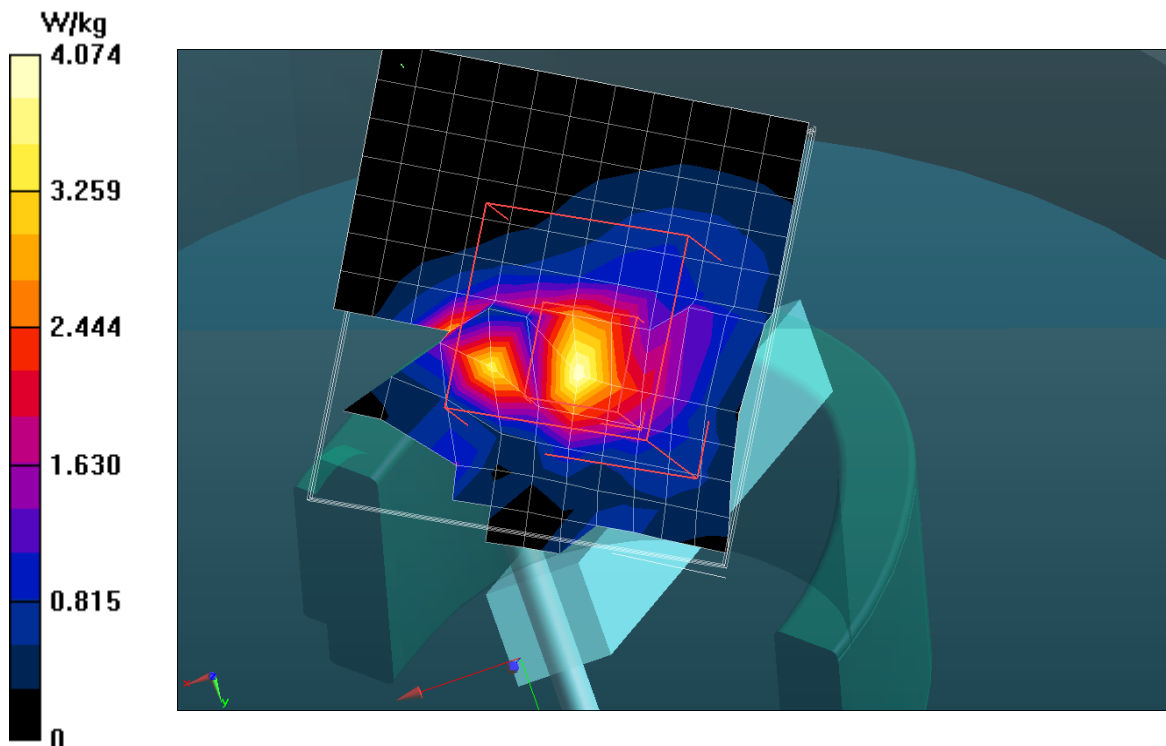
Warning: Max. Deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 5.70 W/kg

Wrist/GPRS 4 Slots/ ch 661/Area Scan (12x14x1): Measurement grid: $dx=4$ mm, $dy=4$ mm

Warning: Max. Deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (measured) = 4.07 W/kg



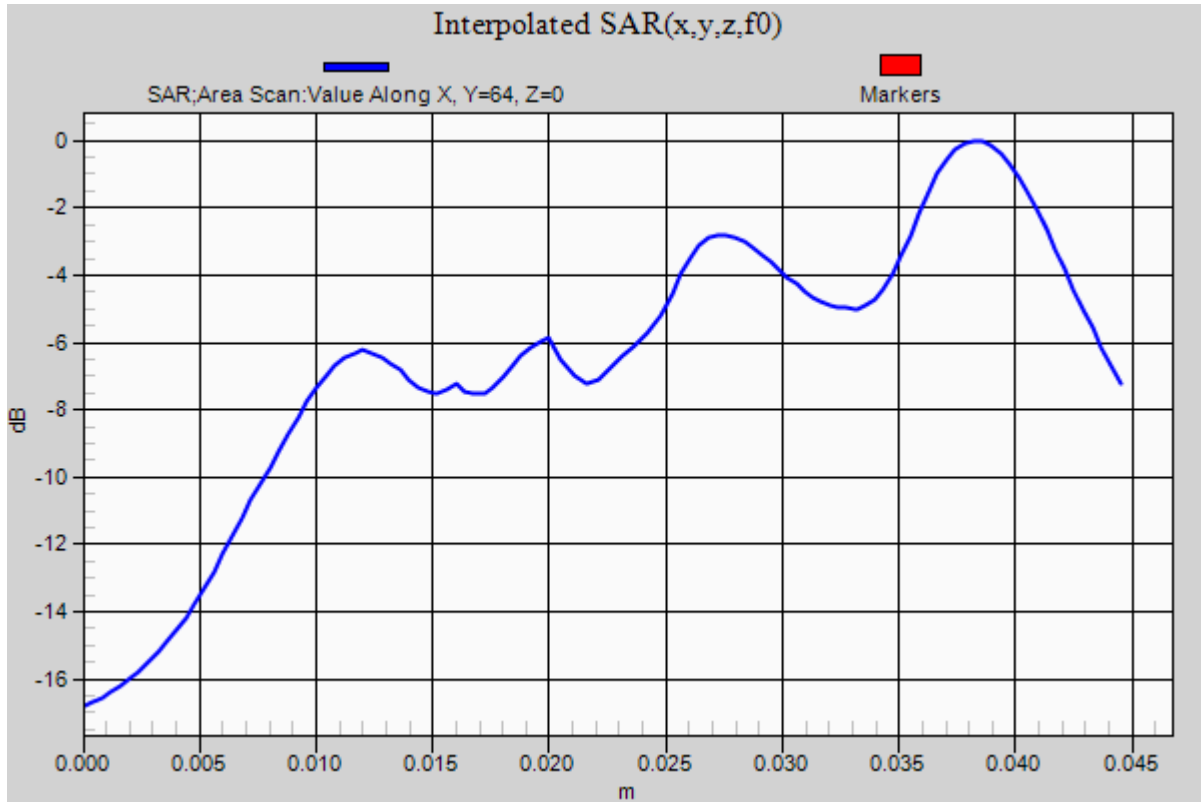
GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986

Wrist/GPRS 4 Slots/ ch 661/Area Scan (111x131x1): Interpolated grid: dx=0.4000 mm, dy=0.4000 mm

Warning: Max. deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 5.70 W/kg



SAR attenuation surrounding the peak SAR location on the surface of the 10-g volume with highest SAR to support the calculated 10-g SAR results.

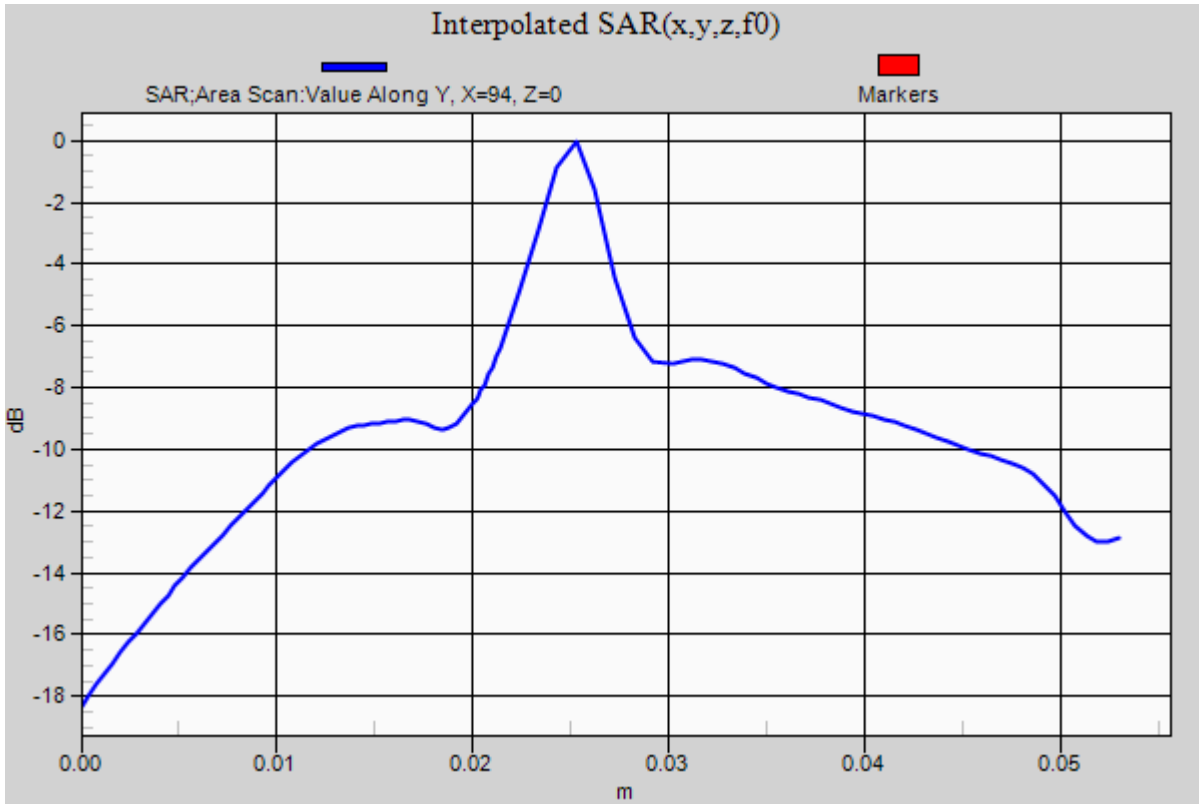
GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986

Wrist/GPRS 4 Slots/ ch 661/Area Scan (111x131x1): Interpolated grid: dx=0.4000 mm, dy=0.4000 mm

Warning: Max. deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 5.70 W/kg



SAR attenuation surrounding the peak SAR location on the surface of the 10-g volume with highest SAR to support the calculated 10-g SAR results.

WCDMA Band V

DUT: Intel FZMK440002J

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Communication System Band: Band V; Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 53.539$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3929 _ No Surface; ConvF(9.21, 9.21, 9.21); Calibrated: 09.05.2014;
 - Modulation Compensation:
- Sensor-Surface: 4.64mm (Fix Surface), $z = 101.0$
- Electronics: DAE4 Sn1377; Calibrated: 27.08.2014
- Phantom: WATCH_PHANTOM_141202; ;
- DASYS5 52.8.8(1222); SEMCAD X 14.9.7285(0)

Wrist/Rel. 99 RMC 12.2 kbps/ ch 4183/Area Scan (131x131x1): Interpolated grid: $dx=0.4000$ mm, $dy=0.4000$ mm

Reference Value = **not measured**; Power Drift = **not measured**

Fast SAR: SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.65 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Warning: Max. deviation from surface normal is 55° (see IEC/IEEE measurement standards).

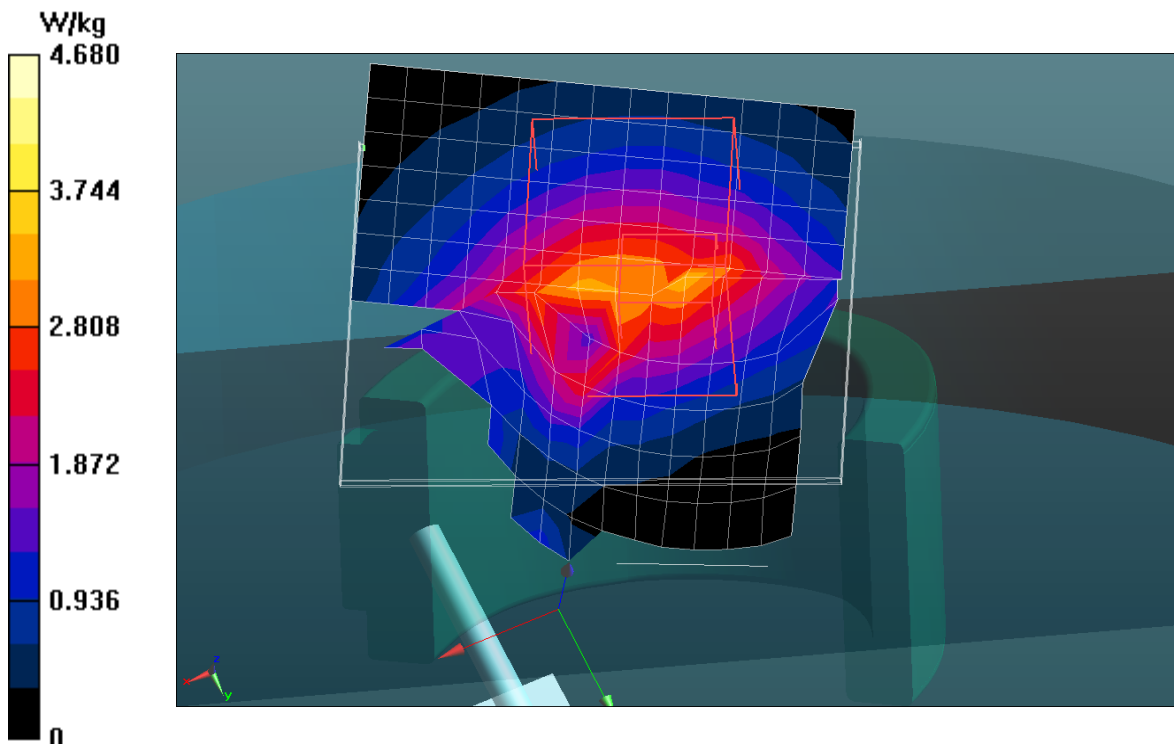
Maximum value of SAR (interpolated) = 4.68 W/kg

Wrist/Rel. 99 RMC 12.2 kbps/ ch 4183/Area Scan (14x14x1): Measurement grid: $dx=4$ mm, $dy=4$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Warning: Max. deviation from surface normal is 55° (see IEC/IEEE measurement standards).

Maximum value of SAR (measured) = 3.41 W/kg



WCDMA Band II

DUT: Intel FZMK440002J

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Communication System Band: Band II; Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 51.52$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3929 _ No Surface; ConvF(7.25, 7.25, 7.25); Calibrated: 09.05.2014;
 - Modulation Compensation:
- Sensor-Surface: 4.08mm (Fix Surface), $z = 101.0$
- Electronics: DAE4 Sn1377; Calibrated: 27.08.2014
- Phantom: WATCH_PHANTOM_141202; ;
- DASYS52 52.8.8(1222); SEMCAD X 14.9.7285(0)

Wrist/Rel. 99 RMC 12.2 kbps/ ch 9400/Area Scan (111x131x1): Interpolated grid: $dx=0.4000$ mm, $dy=0.4000$ mm

Reference Value = 9.392 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 2.99 W/kg; SAR(10 g) = 1.37 W/kg

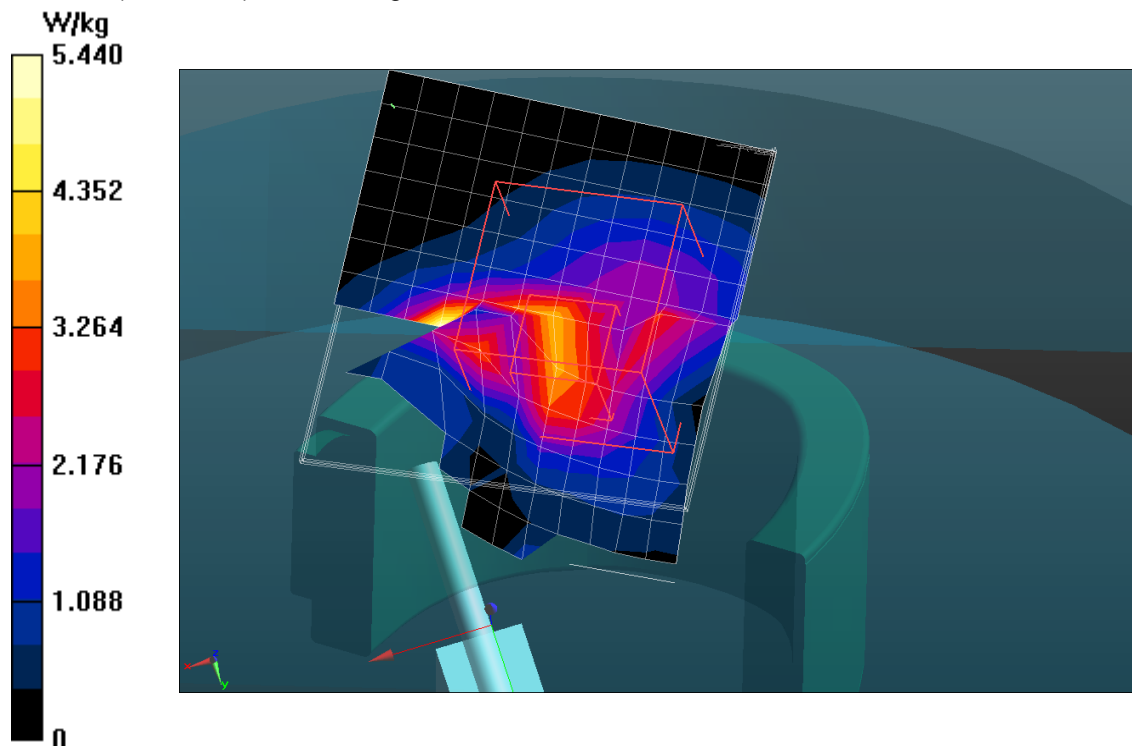
Warning: Max. deviation from surface normal is 54.9999% (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 10.5 W/kg

Wrist/Rel. 99 RMC 12.2 kbps/ ch 9400/Area Scan (12x14x1): Measurement grid: $dx=4$ mm, $dy=4$ mm

Warning: Max. deviation from surface normal is 54.9999% (see IEC/IEEE measurement standards).

Maximum value of SAR (measured) = 5.44 W/kg



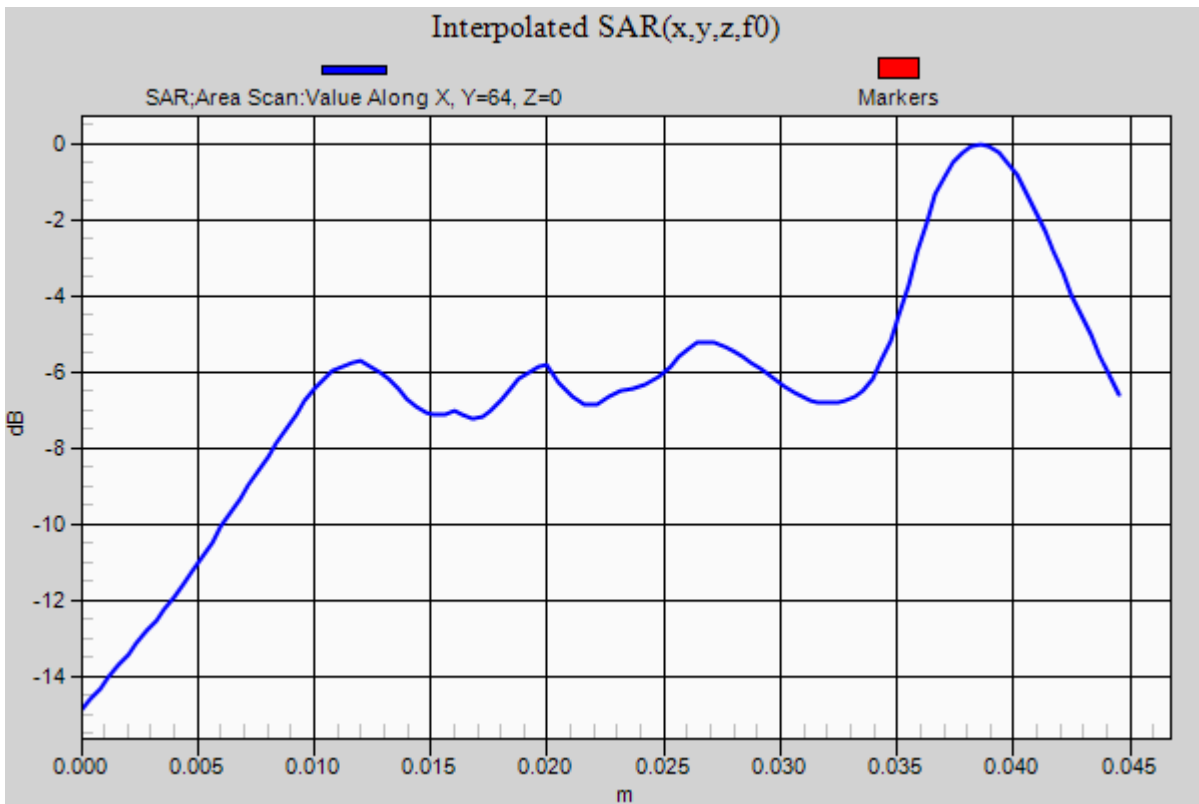
WCDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1

Wrist/Rel. 99 RMC 12.2 kbpa/ ch 9400/Area Scan (111x131x1): Interpolated grid: dx=0.4000 mm, dy=0.4000 mm

Warning: Max. deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 10.5 W/kg



SAR attenuation surrounding the peak SAR location on the surface of the 10-g volume with highest SAR to support the calculated 10-g SAR results.

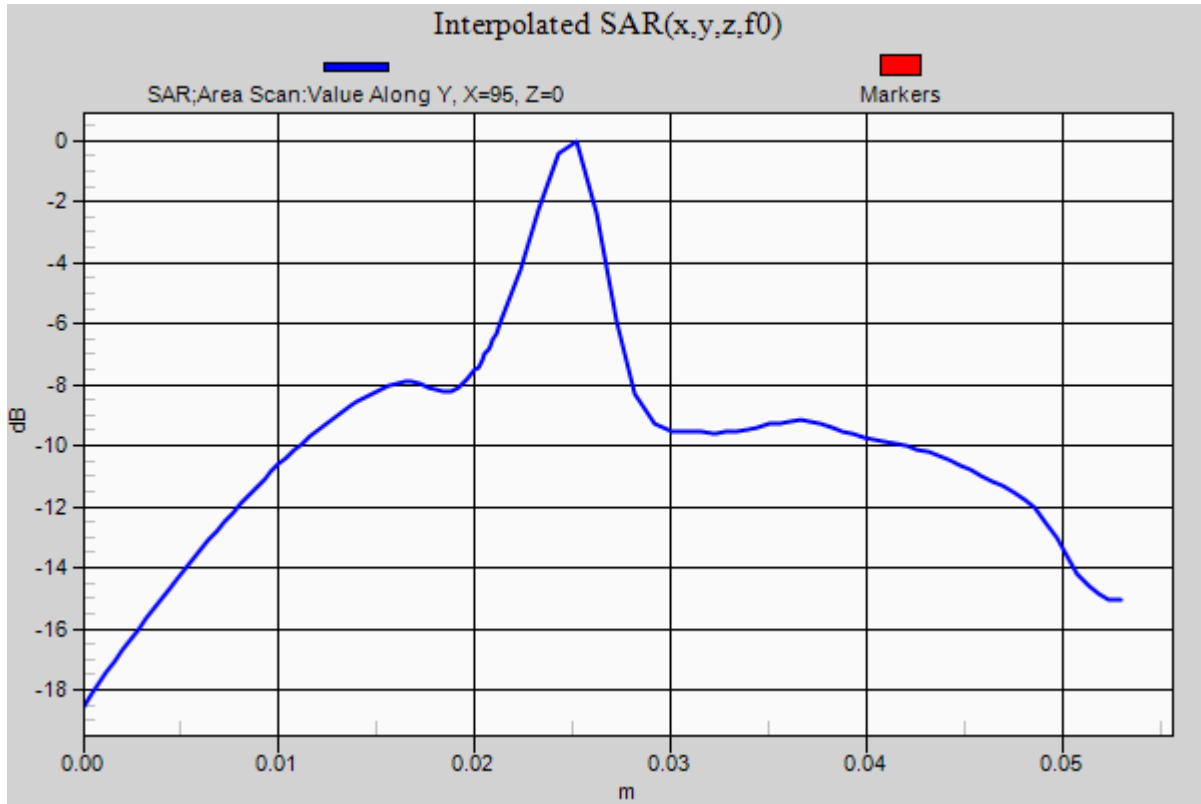
WCDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1

Wrist/Rel. 99 RMC 12.2 kbps/ ch 9400/Area Scan (111x131x1): Interpolated grid: dx=0.4000 mm, dy=0.4000 mm

Warning: Max. deviation from surface normal is 54.9999° (see IEC/IEEE measurement standards).

Maximum value of SAR (interpolated) = 10.5 W/kg



SAR attenuation surrounding the peak SAR location on the surface of the 10-g volume with highest SAR to support the calculated 10-g SAR results.