Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

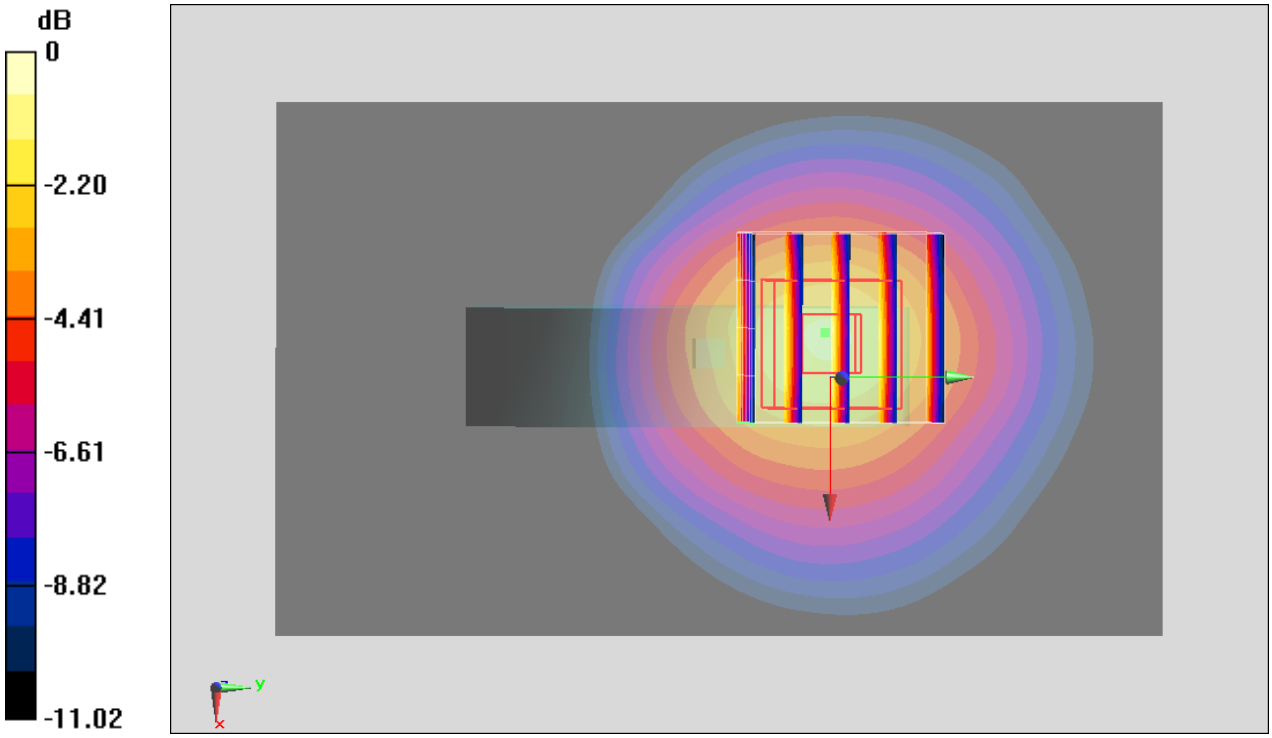
01_GSM850_GPRS (2 Tx slots)_Front_10mm_Ch251

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_850_150805 Medium parameters used: f = 849 MHz; σ = 0.902 S/m; ε_r = 42.443; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(10.33, 10.33, 10.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Configuration/Ch251/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.278 W/kg

Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.52 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.192 W/kg
Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

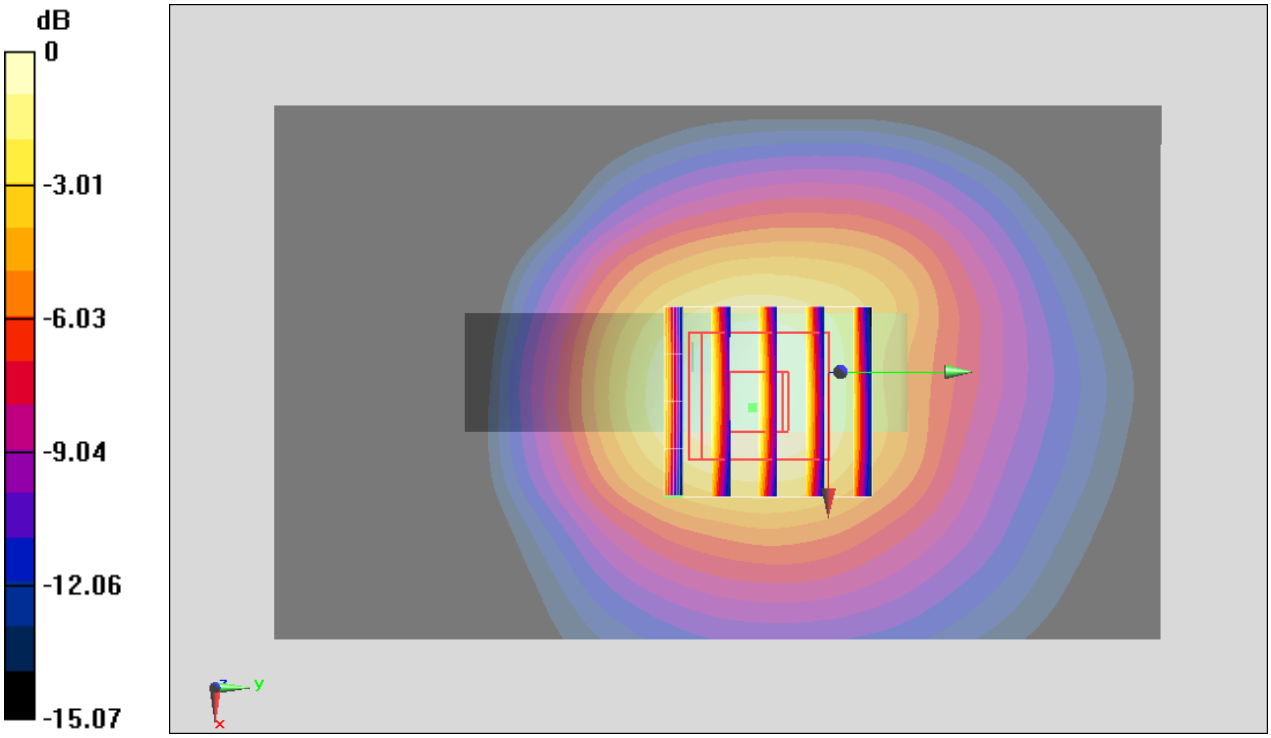
02_GSM1900_GPRS (2 Tx slots)_Front_10mm_Ch512

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: HSL1900_150805 Medium parameters used: f = 1850.2 MHz; σ = 1.342 S/m; ε_r = 40.236; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(8.1, 8.1, 8.1); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Configuration/Ch512/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.66 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.452 W/kg
Maximum value of SAR (measured) = 0.994 W/kg



0 dB = 0.994 W/kg = -0.03 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

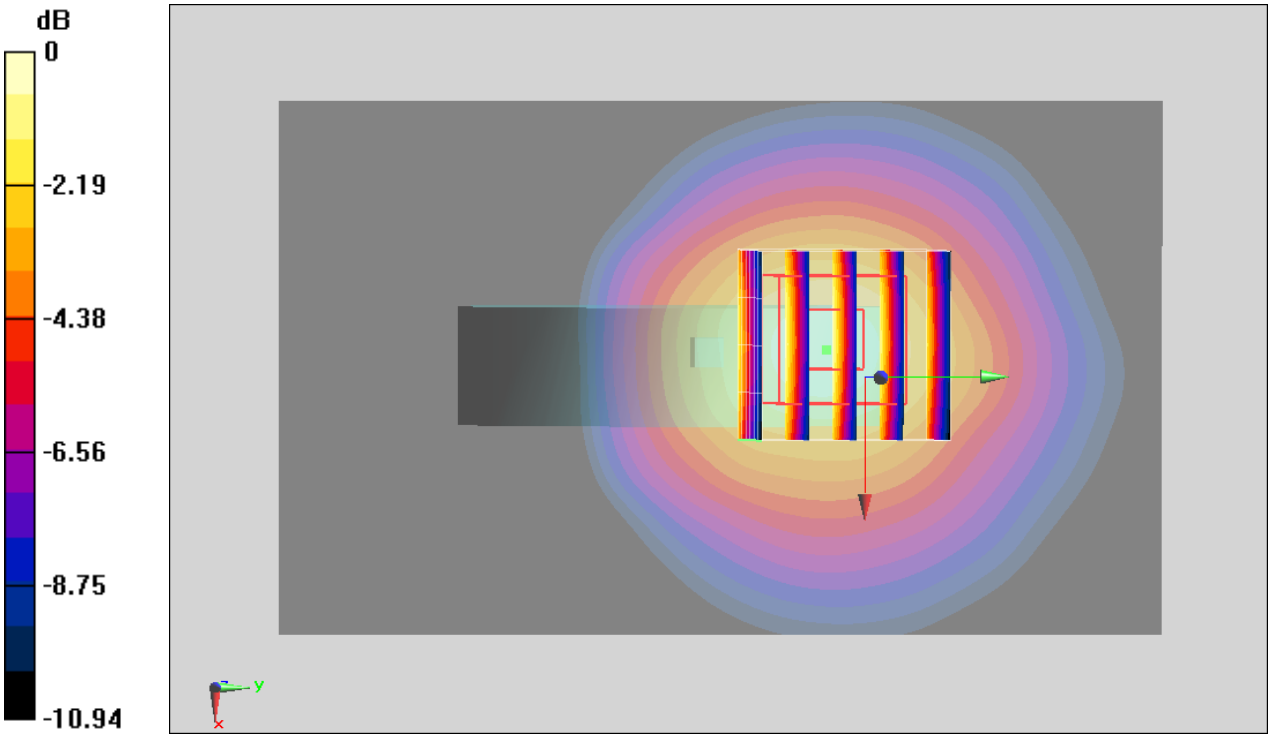
03_WCDMA V_RMC 12.2Kbps_Front_10mm_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_150805 Medium parameters used: f = 847 MHz; σ = 0.9 S/m; ε_r = 42.465; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(10.33, 10.33, 10.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Configuration/Ch4233/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.399 W/kg

Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.68 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.465 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.416 W/kg = -3.81 dBW/kg

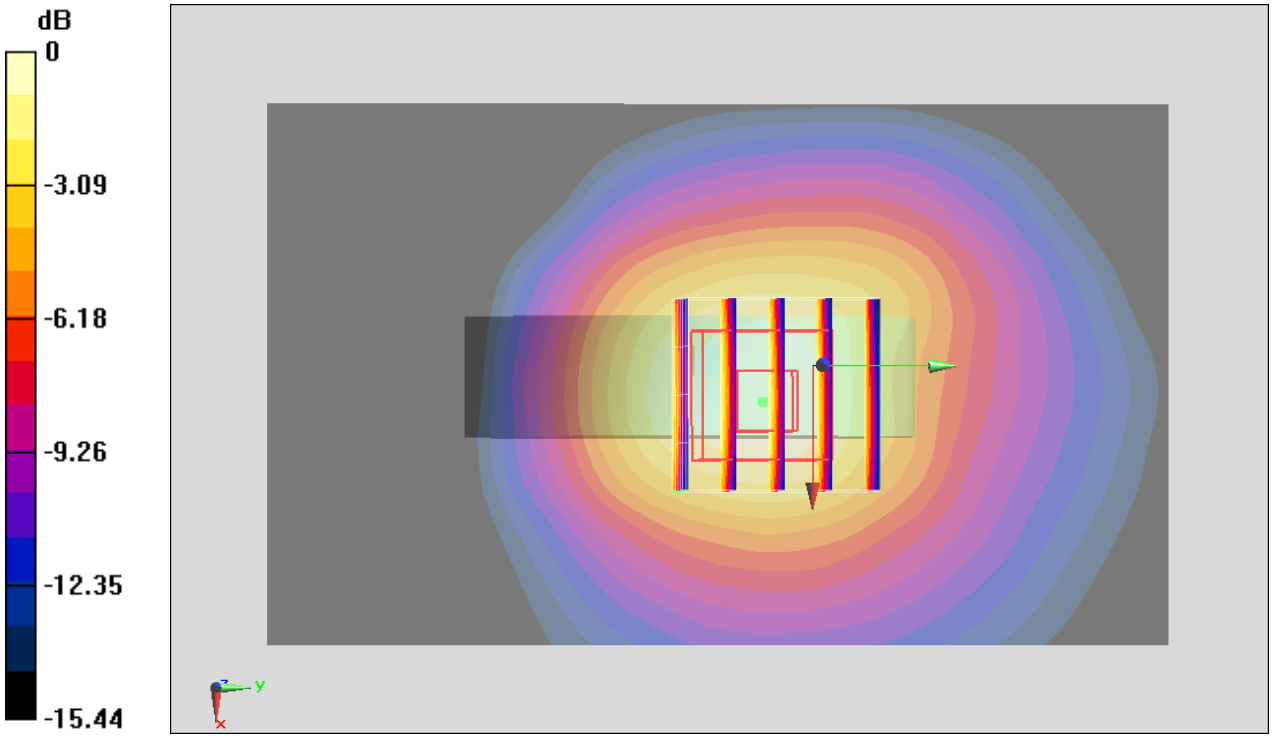
04_WCDMA II_RMC 12.2Kbps_Front_10mm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL1900_150805 Medium parameters used: f = 1852.4 MHz; σ = 1.344 S/m; ε_r = 40.227; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(8.1, 8.1, 8.1); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Configuration/Ch9262/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.39 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

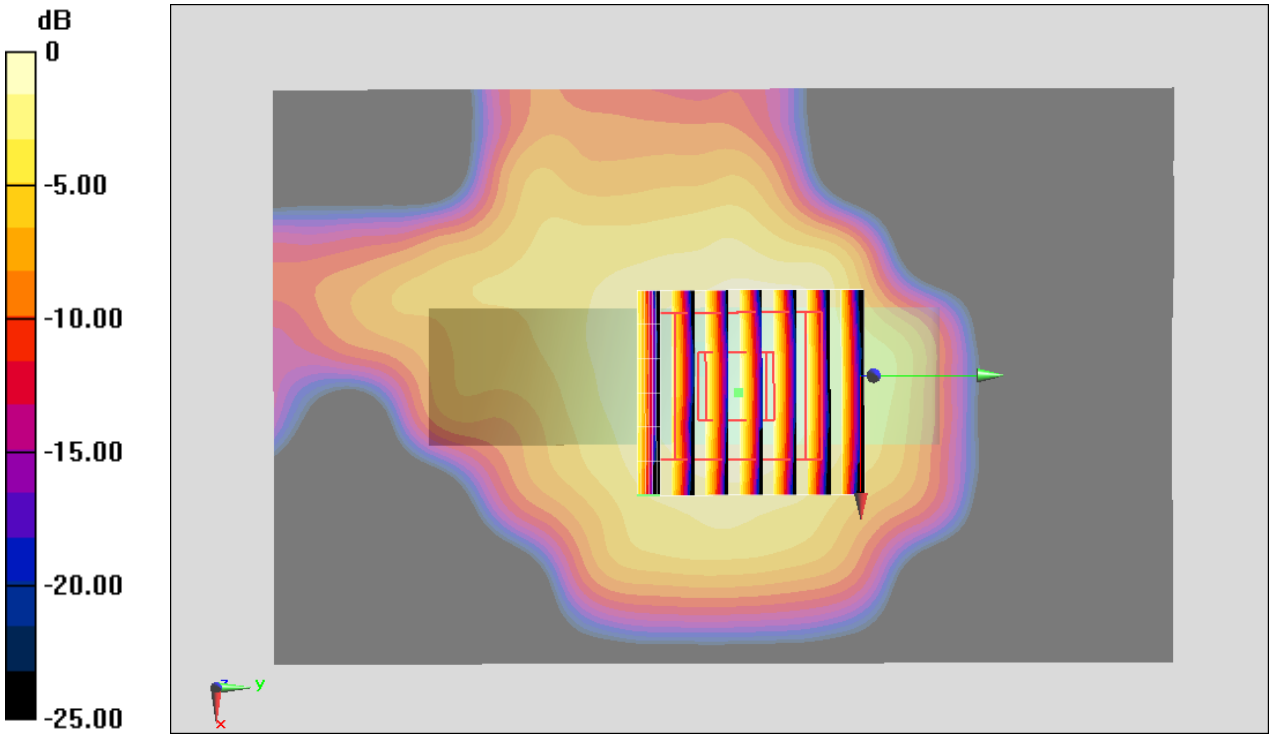
05_WLAN2.4GHz_802.11b_Front_10mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_150805 Medium parameters used: f = 2462 MHz; σ = 1.861 S/m; ε_r = 38.079; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(7.25, 7.25, 7.25); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Configuration/Ch11/Area Scan (71x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.847 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg = -8.33 dBW/kg

Date: 13.10.2015

Test Laboratory: The name of your organization

06_GSM850_GPRS (2 Tx slots)_Inner wrist band_0mm_Ch251

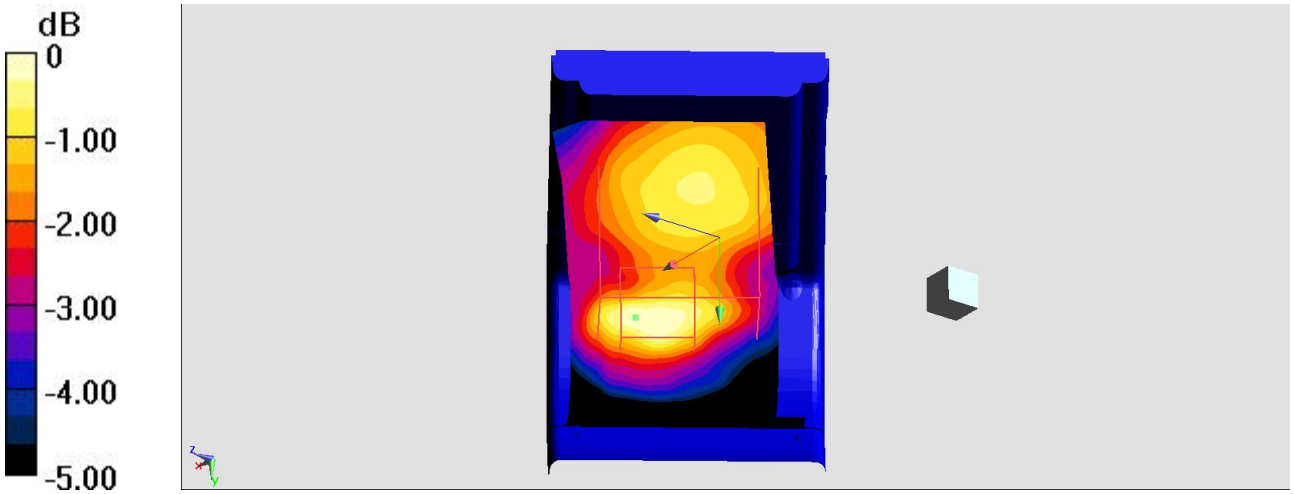
DUT: 552083; Type: GSM Mobile Phone

Communication System: UID 0, GSM850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 848.8 MHz;Communication System PAR: 6.18 dB; PMF: 2.03704
Medium parameters used: f = 849 MHz; σ = 0.99 S/m; ε_r = 56.645; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3925 (no surface detection); ConvF(9.93, 9.93, 9.93); Calibrated: 27.05.2015;
    - Modulation Compensation
- Sensor-Surface: 3.94mm (Fix Surface), z = 31.0
- Electronics: DAE3 Sn495; Calibrated: 22.05.2015
- Phantom: WATCH_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

STEP 2_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (131x141x1): Interpolated grid: dx=0.4000 mm, dy=0.4000 mm
Reference Value = 19.11 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 1.48 W/kg; SAR(10 g) = 0.957 W/kg
Maximum value of SAR (interpolated) = 1.86 W/kg


dB
0
-1.00
-2.00
-3.00
-4.00
-5.00

Date: 22.10.2015

Test Laboratory: The name of your organization

07_GSM1900_GPRS (2 Tx slots)_Inner wrist band_0mm_Ch512

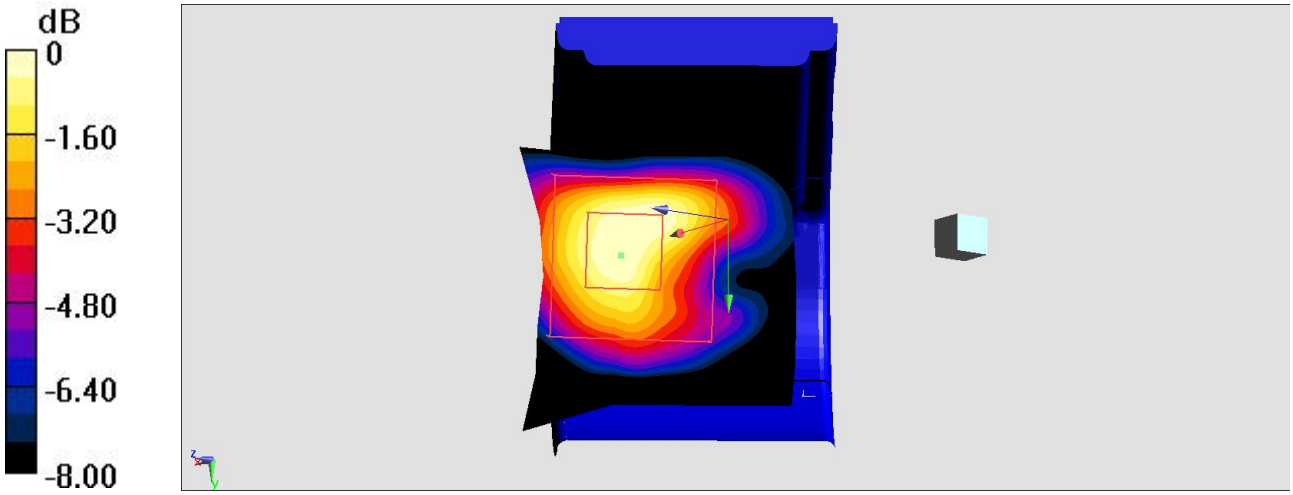
DUT: 552083; Type: GSM Mobile Phone

Communication System: UID 0, PCS (0); Communication System Band: PCS_2TX; Frequency: 1850.2 MHz;Communication System PAR: 6.181 dB; PMF: 2.00009
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.493 S/m; ε_r = 53.88; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3925 (no surface detection); ConvF(7.9, 7.9, 7.9); Calibrated: 27.05.2015;
    - Modulation Compensation
- Sensor-Surface: 3.81mm (Fix Surface), z = 31.0
- Electronics: DAE3 Sn495; Calibrated: 22.05.2015
- Phantom: WATCH_PHANTOM;
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

STEP 2_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (51x51x1): Interpolated grid: dx=0.8000 mm, dy=0.8000 mm
Reference Value = 51.42 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.64 W/kg
Maximum value of SAR (interpolated) = 6.87 W/kg


dB
0
-1.60
-3.20
-4.80
-6.40
-8.00

Test Laboratory: The name of your organization Date: 29.04.2016

08_WCDMA V_RMC12.2K_Inner wrist band_0mm_Ch4233

DUT: 552083; Type: GSM Mobile Phone;

Communication System: UID 0, WCDMA (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 846.6 MHz;Communication System PAR: 0 dB; PMF: 1

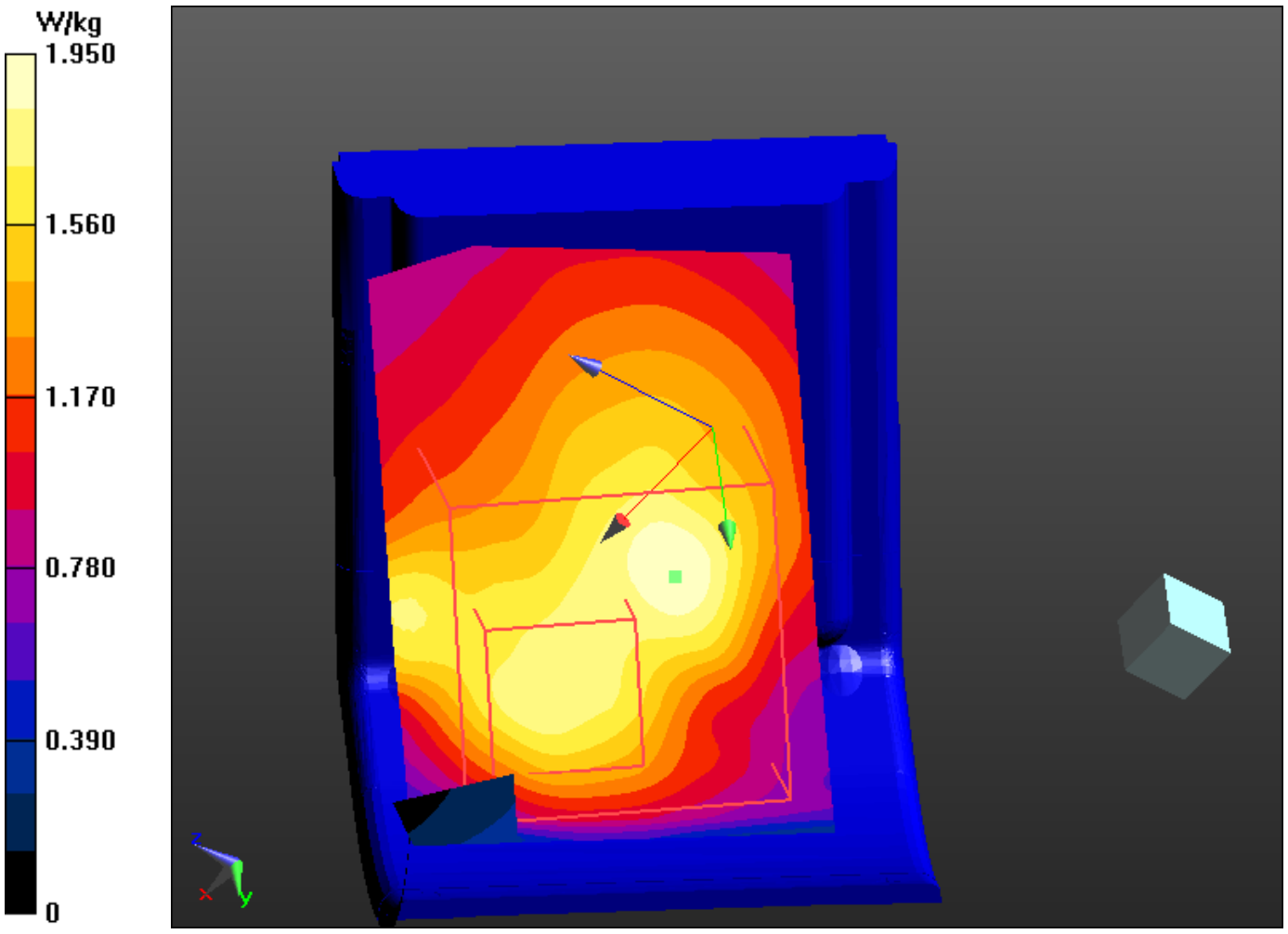
Medium parameters used: f = 847 MHz; σ = 0.998 S/m; ε_r = 56.983; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3925 (no surface detection); ConvF(9.93, 9.93, 9.93); Calibrated: 27.05.2015;
    - Modulation Compensation:
- Sensor-Surface: 3.19mm (Fix Surface), z = 31.0
- Electronics: DAE3 Sn495; Calibrated: 22.05.2015
- Phantom: WATCH_PHANTOM;
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

STEP 2_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan 2 (61x71x1): Interpolated grid: dx=0.7000 mm, dy=0.7000 mm
Reference Value = 37.99 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 1.65 W/kg; SAR(10 g) = 0.960 W/kg
Maximum value of SAR (interpolated) = 1.95 W/kg


W/kg
1.950
1.560
1.170
0.780
0.390
0
z
x
y

Date/Time: 21.10.2015 14:36:05

Test Laboratory: The name of your organization

09_WCDMA II_RMC12.2K_Inner wrist band_0mm_Ch9400

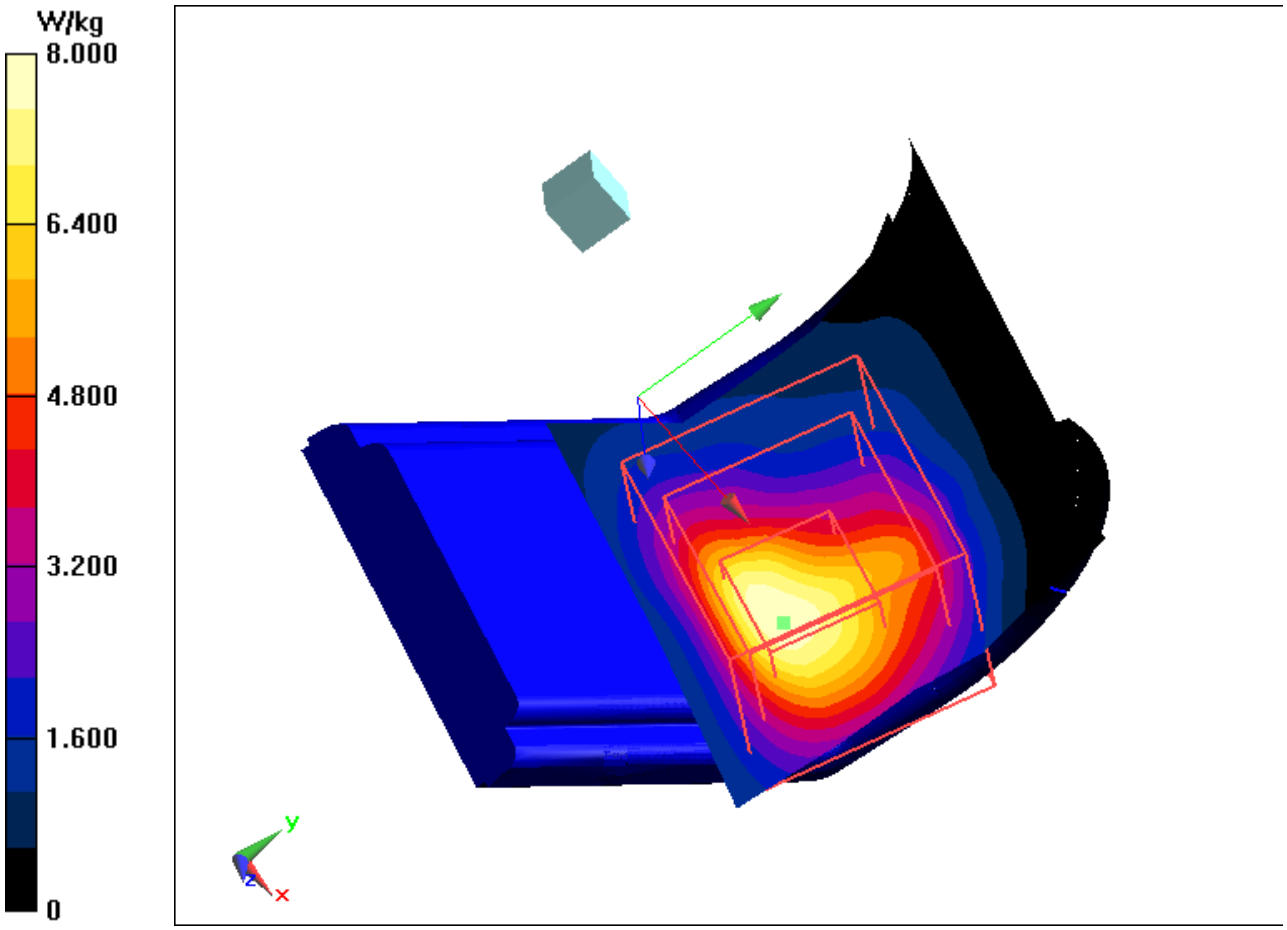
DUT: 552083; Type: GSM Mobile Phone

Communication System: UID 0, WCDMA (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 1880 MHz; σ = 1.523 S/m; ε_r = 53.577; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3925 (no surface detection); ConvF(7.9, 7.9, 7.9); Calibrated: 27.05.2015;
- Sensor-Surface: 3.81mm (Fix Surface), z = 31.0
- Electronics: DAE3 Sn495; Calibrated: 22.05.2015
- Phantom: WATCH_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

STEP 2_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (51x51x1): Interpolated grid: dx=0.8000 mm, dy=0.8000 mm
Reference Value = 52.15 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 6.33 W/kg; SAR(10 g) = 2.87 W/kg
Maximum value of SAR (interpolated) = 7.89 W/kg


W/kg
8.000
6.400
4.800
3.200
1.600
0
y
z
x

Date: 22.10.2015

Test Laboratory: The name of your organization

10_WLAN2.4GHz_802.11b 1Mbps_Inner wrist band_0mm_Ch11

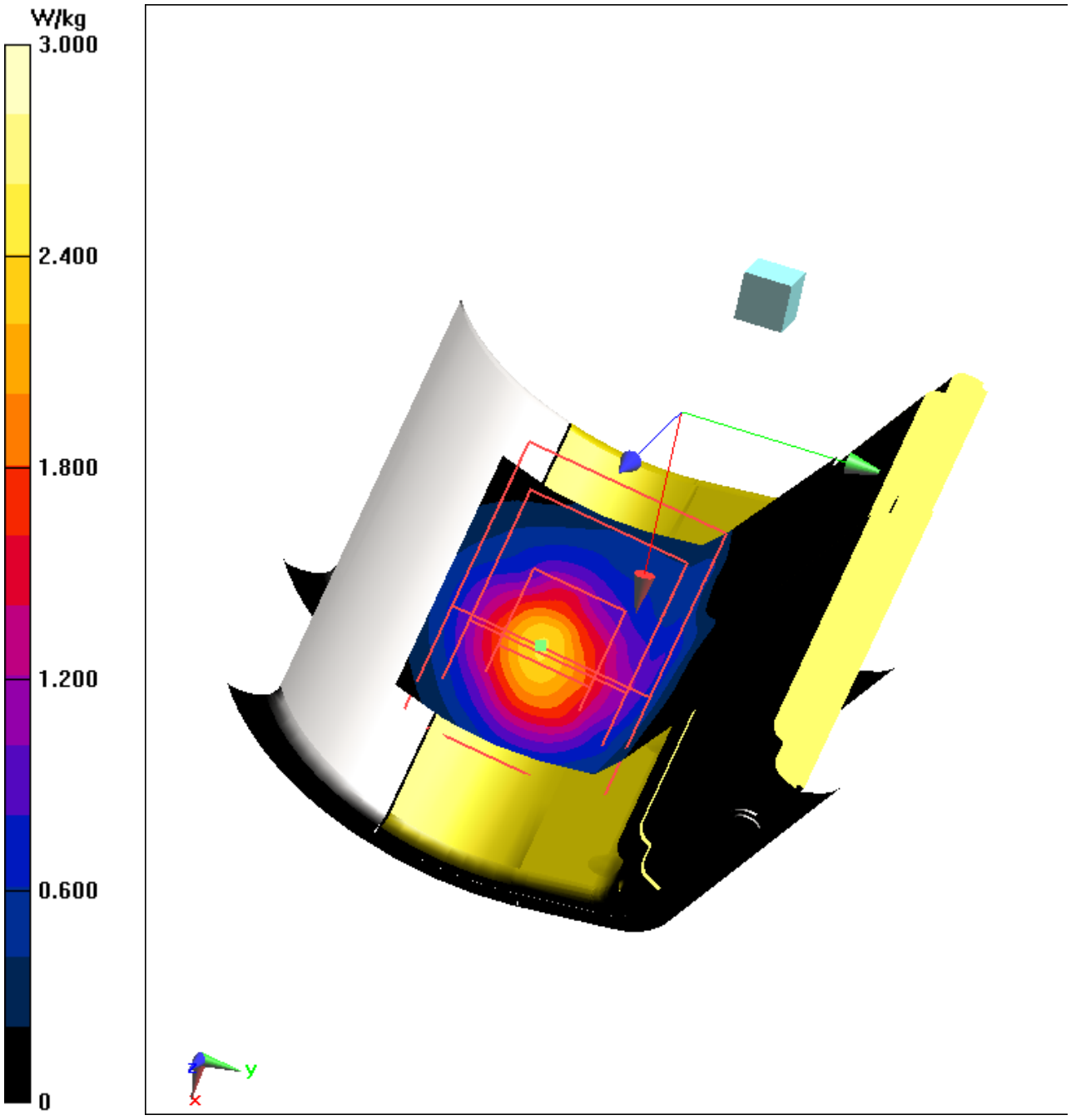
DUT: 552083; Type: GSM Mobile Phone

Communication System: UID 0, 802.11b (0); Communication System Band: 802.11b; Frequency: 2462 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 2462 MHz; σ = 2.03 S/m; ε_r = 53.703; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3925 (no surface detection); ConvF(7.54, 7.54, 7.54); Calibrated: 27.05.2015;
    - Modulation Compensation:
- Sensor-Surface: 4.45mm (Fix Surface), z = 31.0
- Electronics: DAE3 Sn495; Calibrated: 22.05.2015
- Phantom: WATCH_PHANTOM
- DASY52 52.8.8(1222); SEMCAD X 14.9.7285(0)

STEP 2_ SAR Measurement/Select Communication System and Frequency of EUT/Area Scan (61x91x1): Interpolated grid: dx=0.5000 mm, dy=0.6000 mm
Reference Value = 21.05 V/m; Power Drift = 0.19 dB
Fast SAR: SAR(1 g) = 1.98 W/kg; SAR(10 g) = 0.745 W/kg
Maximum value of SAR (interpolated) = 2.43 W/kg


W/kg
3.000
2.400
1.800
1.200
0.600
0
z
y
x