

Appendix B. MEASUREMENT SCANS

Date: 2016.07.18.

MW41TM GPRS850 Body Hotspot Front Side Low

Medium: MSL900

Communication System: GPRS 2 Tx slots; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55.959$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(9.45, 9.45, 9.45); Calibrated: 2015.07.24.;
Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

GPRS 850_Faceup /Low /Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 28.288 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.517 mW/g

Maximum value of SAR (interpolated) = 0.813 W/kg

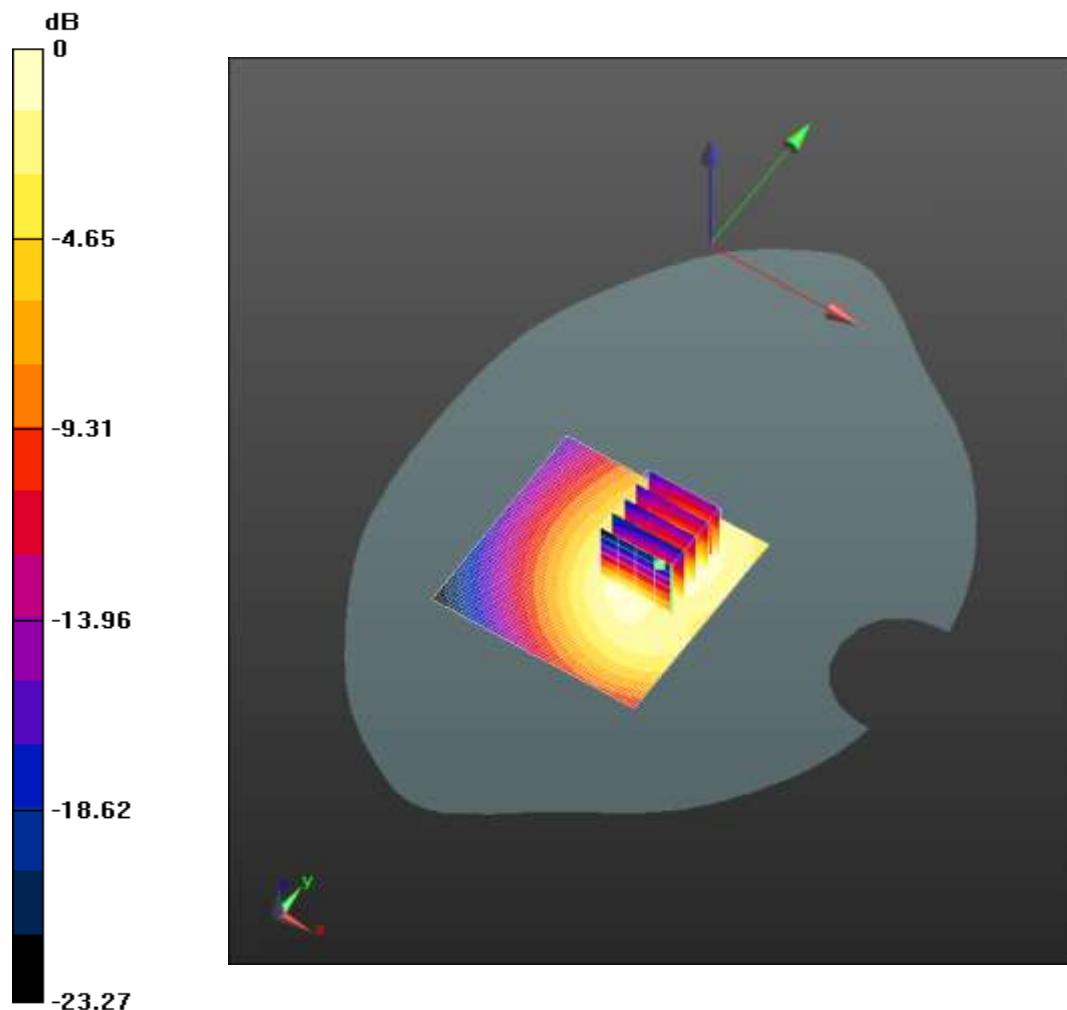
GPRS 850_Faceup /Low /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.288 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.003 mW/g

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.555 mW/g

Maximum value of SAR (measured) = 0.794 W/kg



0 dB = 0.813 W/kg = -1.80 dB W/kg

Date: 2016.07.19.

MW41TM GPRS1900 Body Hotspot Back Side High

Medium: MSL1900

Communication System: GPRS 2 Tx slots; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.6, 7.6, 7.6); Calibrated: 2015.07.24.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

1900_GPRS/GPRS1900 Facedown-High /Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 12.016 V/m; Power Drift = 0.10 dB

Fast SAR: SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (interpolated) = 0.383 W/kg

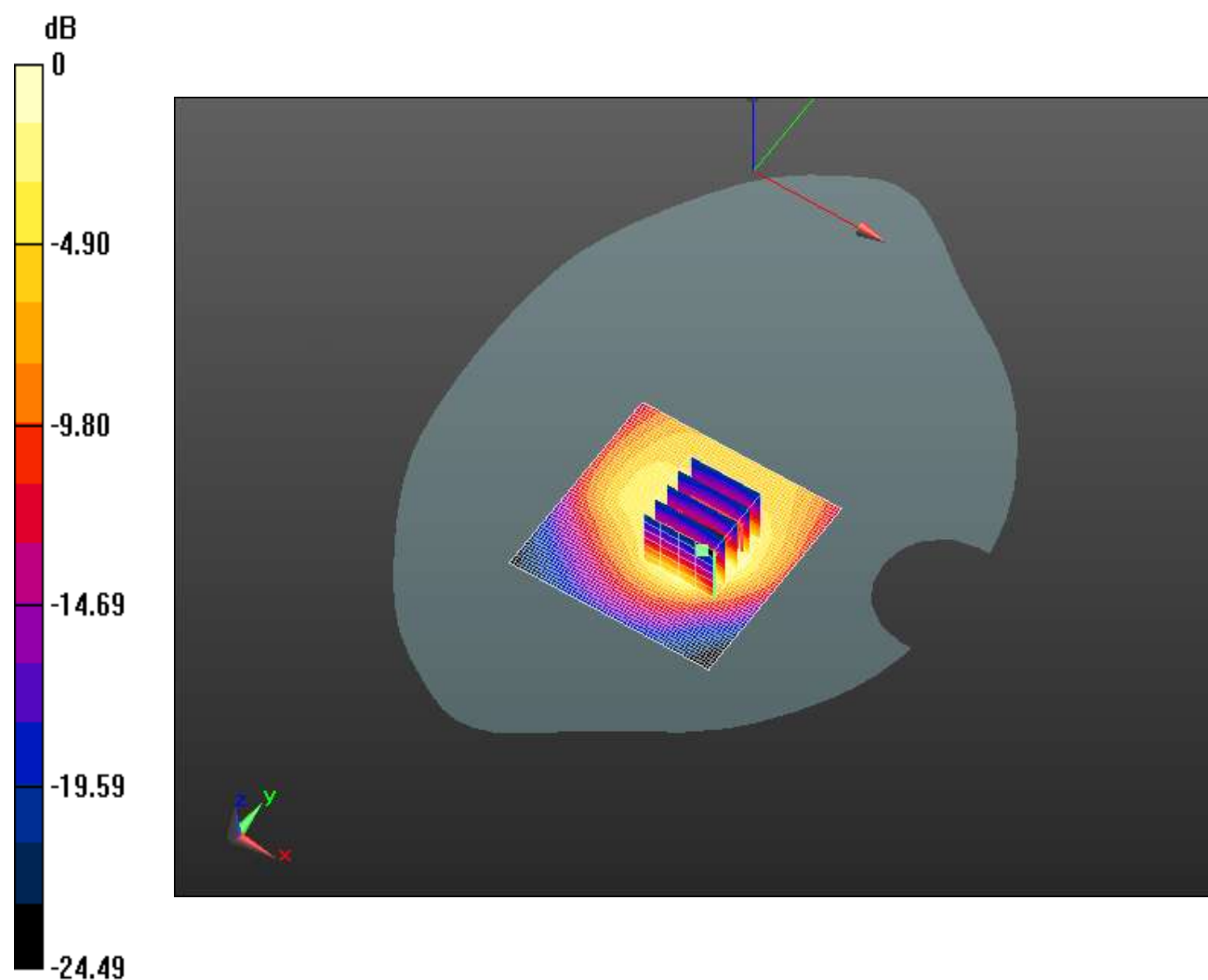
1900_GPRS/GPRS1900 Facedown-High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.016 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.079 mW/g

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.4 W/kg = -7.69 dB W/kg

Date: 2016.07.19.

MW41TM WCDMA Band II Body Hotspot Front Side Mid

Medium: MSL1900

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 53.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.6, 7.6, 7.6); Calibrated: 2015.07.24.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

UMTS Band 2_ Front/Low/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 13.753 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (interpolated) = 0.444 W/kg

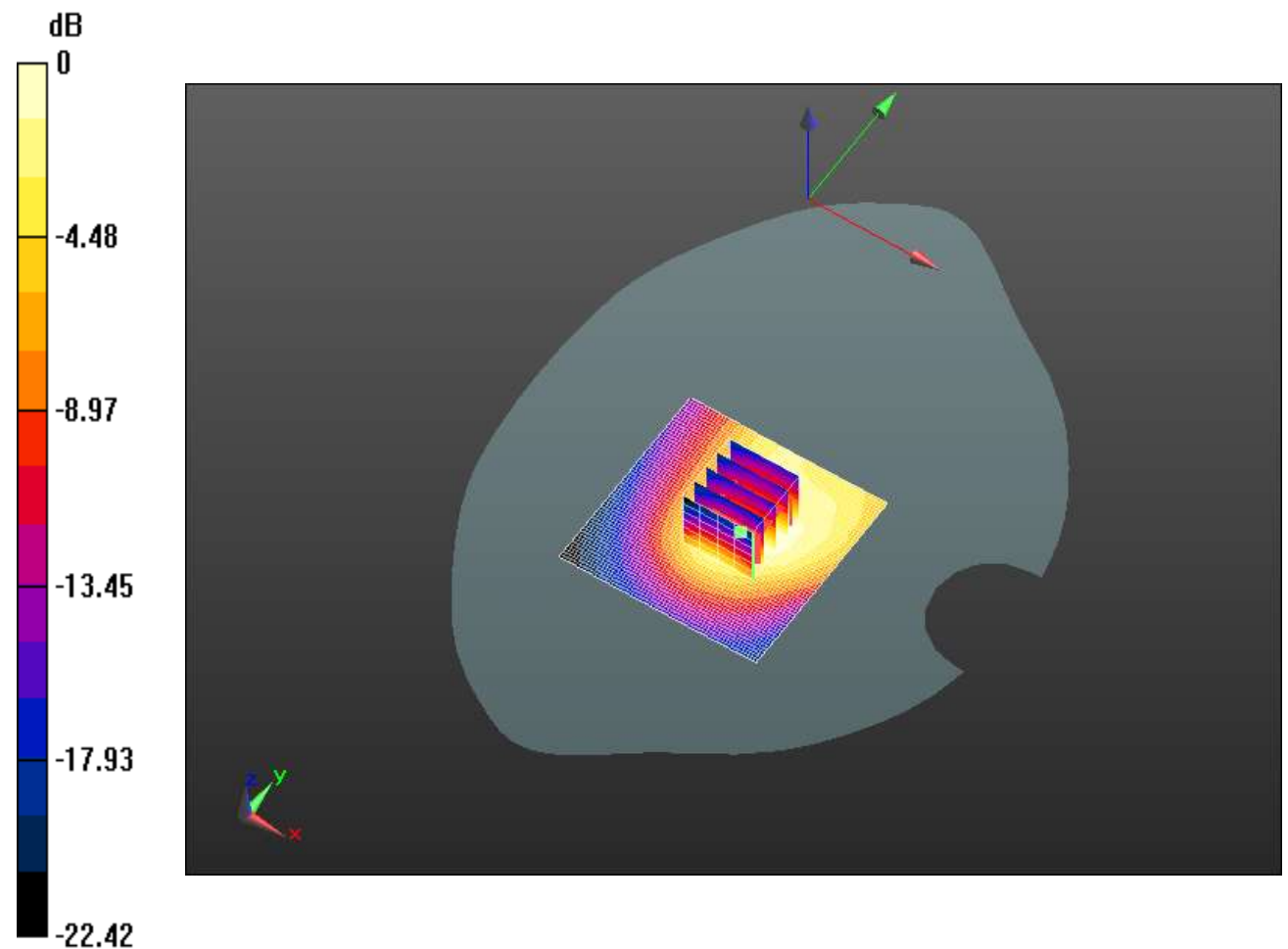
UMTS Band 2_ Front/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.753 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.617 mW/g

SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.444 W/kg = -7.06 dB W/kg

Date: 2016.07.22.

MW41TM WCDMA Band IV Body Hotspot Front Side Mid

Medium: MSL1750

Communication System: UMTS-FDD; Communication System Band: Band4; Frequency: 1712.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.6$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 55.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: ES3DV3 - SN3203; ConvF(4.81, 4.81, 4.81); Calibrated: 2016.01.12.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

UMTS Band 4_body Faceup/Low/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 13.234 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.316 mW/g

Maximum value of SAR (interpolated) = 0.600 W/kg

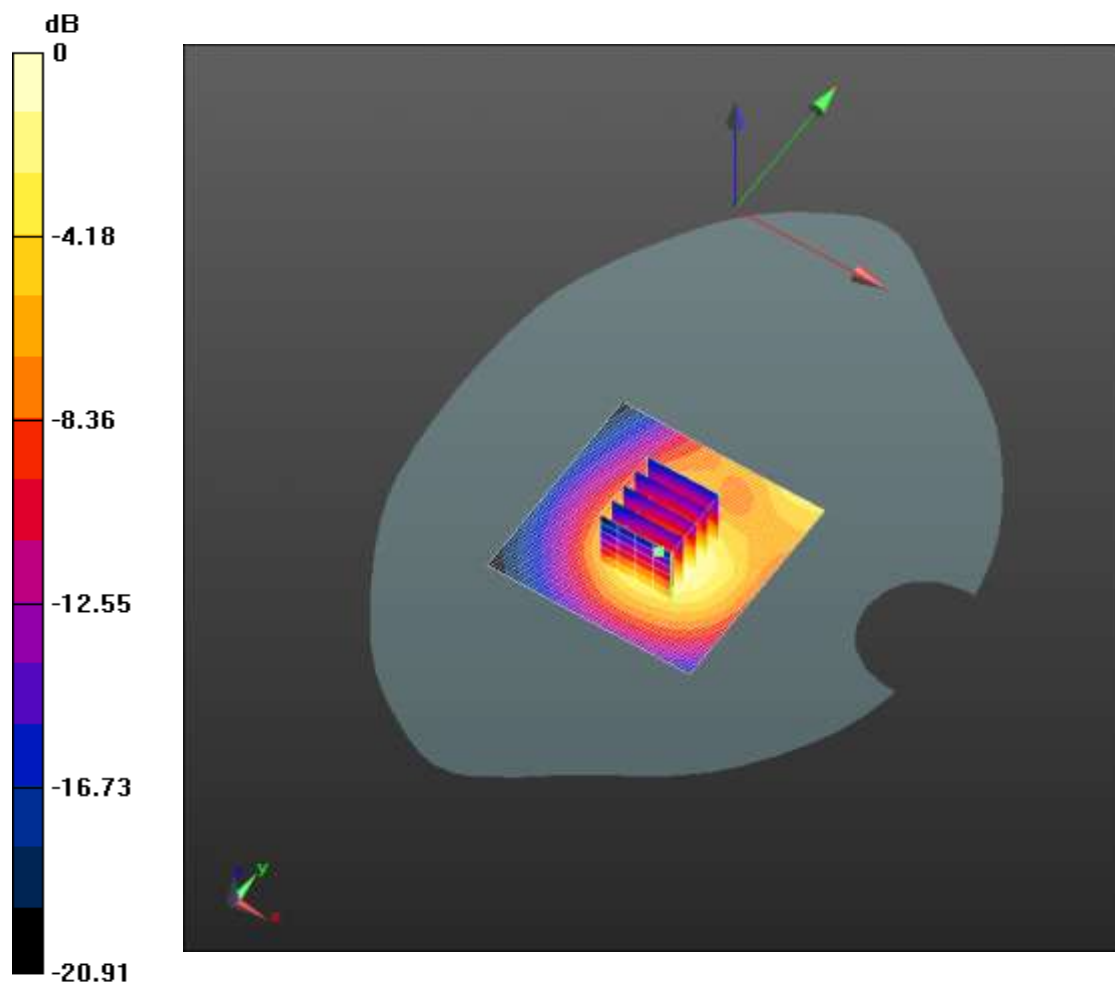
UMTS Band 4_body Faceup/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.234 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.867 mW/g

SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.600 W/kg = -4.44 dB W/kg

Date: 2016.07.18.

MW41TM WCDMA Band V Body Hotspot Front Side Mid

Medium: MSL900

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(9.66, 9.66, 9.66); Calibrated: 2015.11.26.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

UMTS Band 5_body Front/Mid/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.551 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (interpolated) = 0.462 W/kg

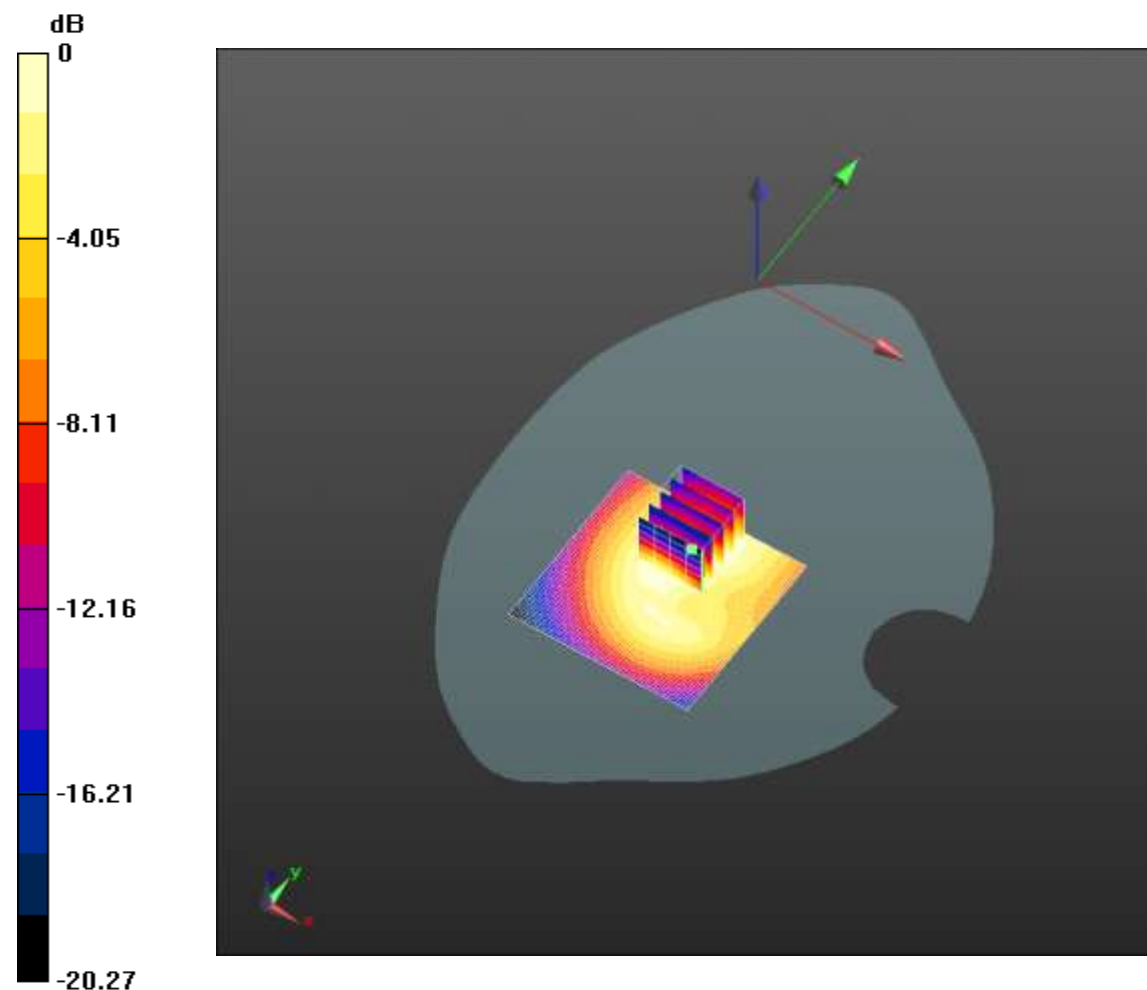
UMTS Band 5_body Front/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.551 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.649 mW/g

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.462 W/kg = -6.71 dB W/kg

Date: 2016.07.19.

MW41TM LTE Band 2 Body Hotspot Front Side Mid

Medium: MSL1900

Communication System: LTE-FDD(CE); Communication System Band: Band2(10MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.6, 7.6, 7.6); Calibrated: 2015.07.24.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

Body /Faceup Mid/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 11.848 V/m; Power Drift = 0.16 dB

Fast SAR: SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (interpolated) = 0.478 W/kg

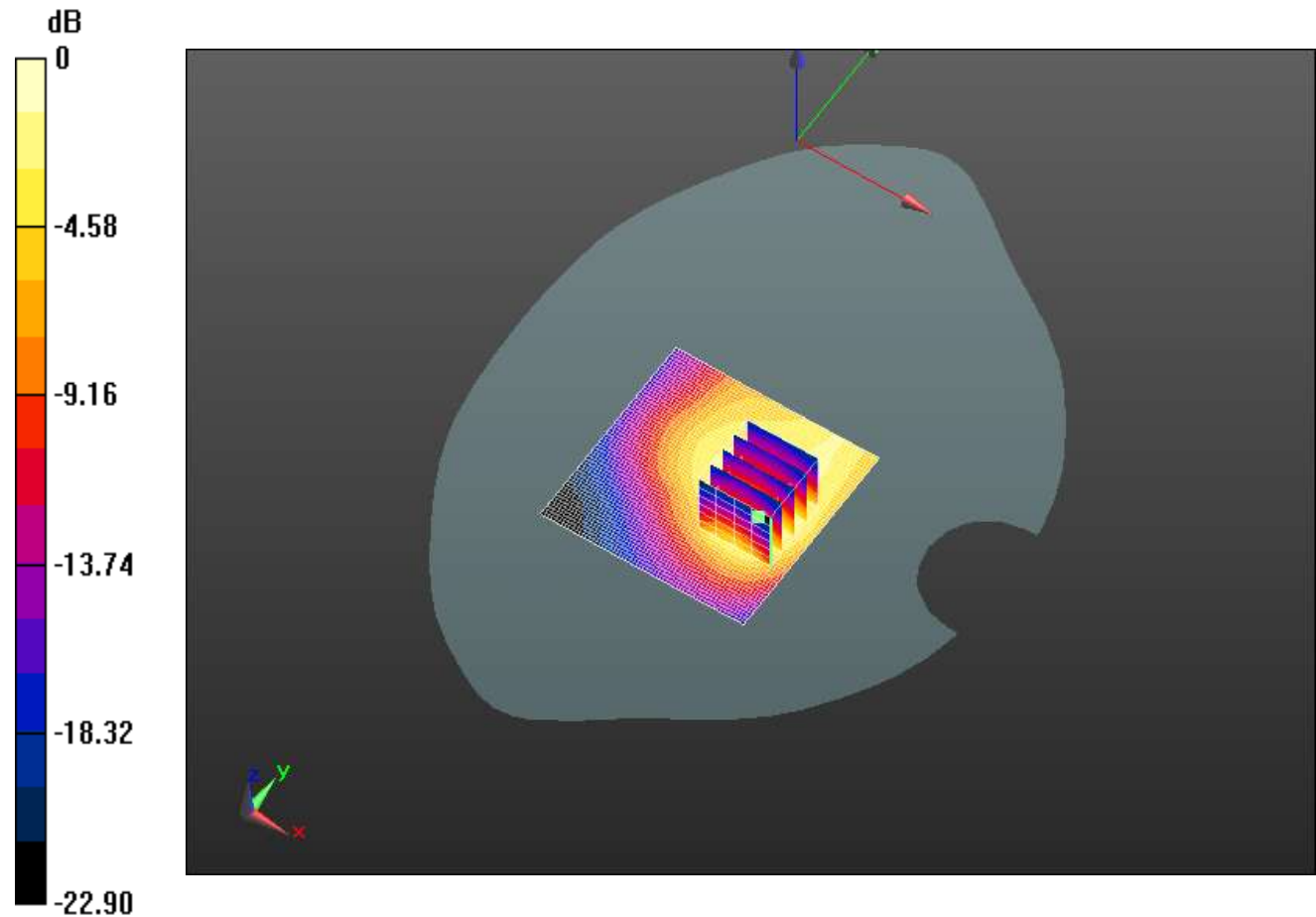
Body /Faceup Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.848 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.874 mW/g

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.522 W/kg



0 dB = 0.478 W/kg = -6.41 dB W/kg

Date: 2016.07.22.

MW41TM LTE Band 4 Body Hotspot Front Side Mid

Medium: MSL1750

Communication System: LTE-FDD(FCC); Communication System Band: Band4(20MHz) ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.504$ mho/m; $\epsilon_r = 55.622$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: ES3DV3 - SN3203; ConvF(4.81, 4.81, 4.81); Calibrated: 2016.01.12.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

LTE Band4 Fornt/Mid/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 16.179 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (interpolated) = 0.386 W/kg

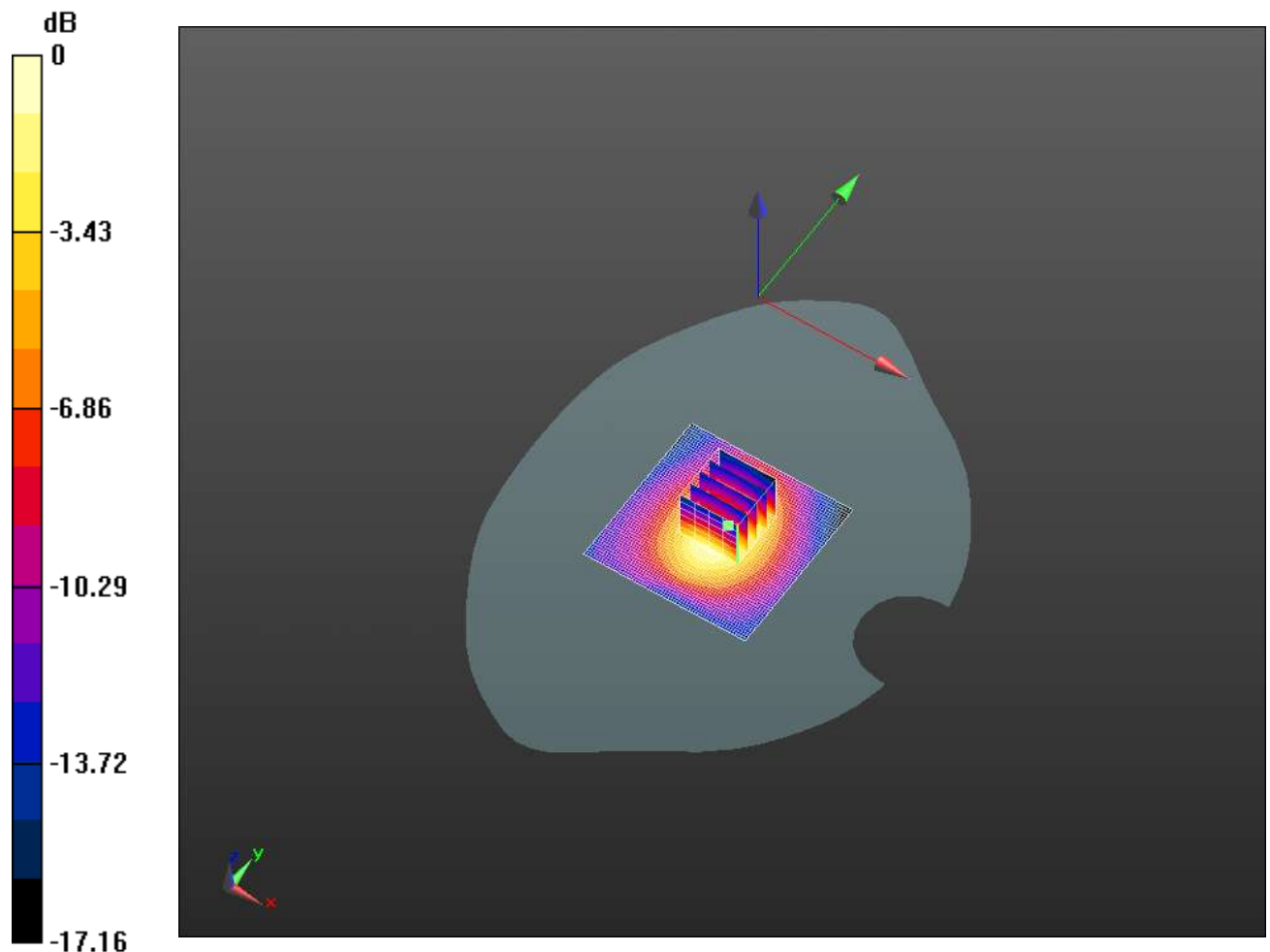
LTE Band4 Fornt/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.179 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.580 mW/g

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.386 W/kg = -8.27 dB W/kg

Date: 2016.07.21.

MW41TM LTE Band 12 Body Hotspot Back Side High

Medium: MSL750

Communication System: LTE-FDD(CE); Communication System Band: Band12(10MHz); Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 56.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(9.66, 9.66, 9.66); Calibrated: 2015.11.26.;

Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

Body/Facedown High/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.137 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.88 mW/g; SAR(10 g) = 0.65 mW/g

Maximum value of SAR (interpolated) = 0.88 W/kg

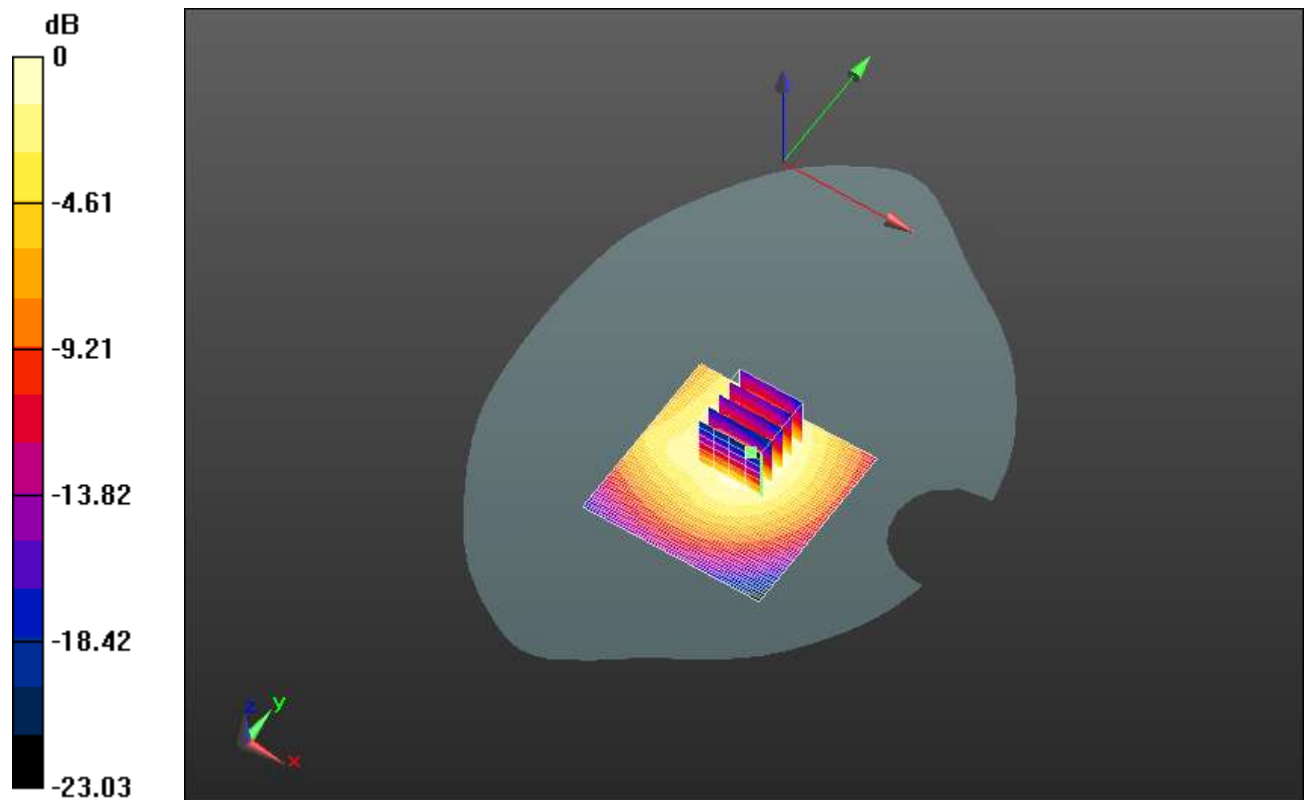
Body/Facedown High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.137 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.973 mW/g

SAR(1 g) = 0.87 mW/g; SAR(10 g) = 0.61 mW/g

Maximum value of SAR (measured) = 0.87 W/kg



0 dB = 2.35 W/kg = 7.43 dB W/kg

Date: 2016.07.20.

MW41TM Wi-Fi (Ant 1#) 802.11b Body Hotspot Bottom Side Mid

Medium: MSL2450

Communication System: 802.11b/g/n; Communication System Band: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 52.719$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.07, 7.07, 7.07); Calibrated: 2015.11.26.;
Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

802.11b/Bottom-Mid/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.514 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.065 mW/g

Maximum value of SAR (interpolated) = 0.165 W/kg

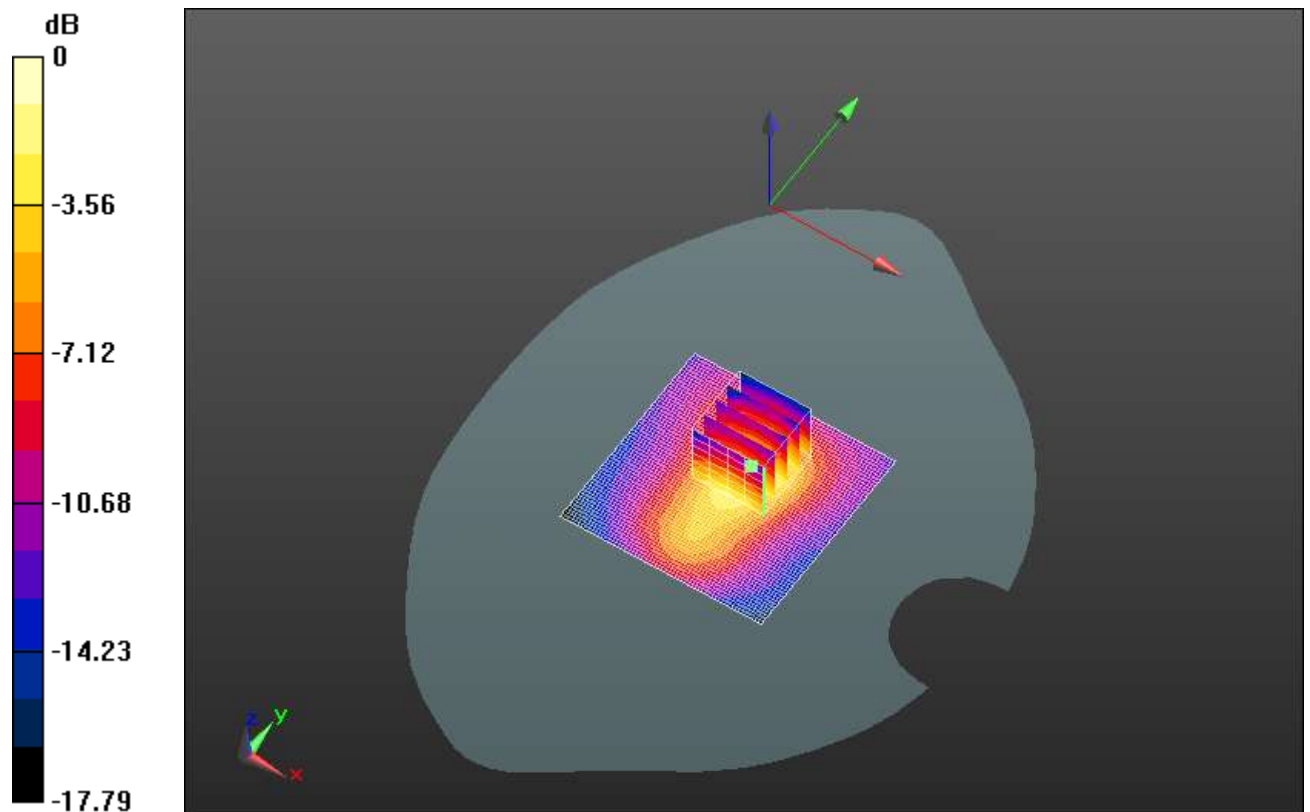
802.11b/Bottom-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.514 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.312 mW/g

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.165 W/kg = -15.67 dB W/kg

Date: 2016.07.20.

MW41TM Wi-Fi (Ant 2#) 802.11b Body Hotspot Top Side Mid

Medium: MSL2450

Communication System: 802.11b/g/n; Communication System Band: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 52.719$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.07, 7.07, 7.07); Calibrated: 2015.11.26.;
Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

802.11b/TOP -Mid/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 9.693 V/m; Power Drift = 0.15 dB

Fast SAR: SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (interpolated) = 0.262 W/kg

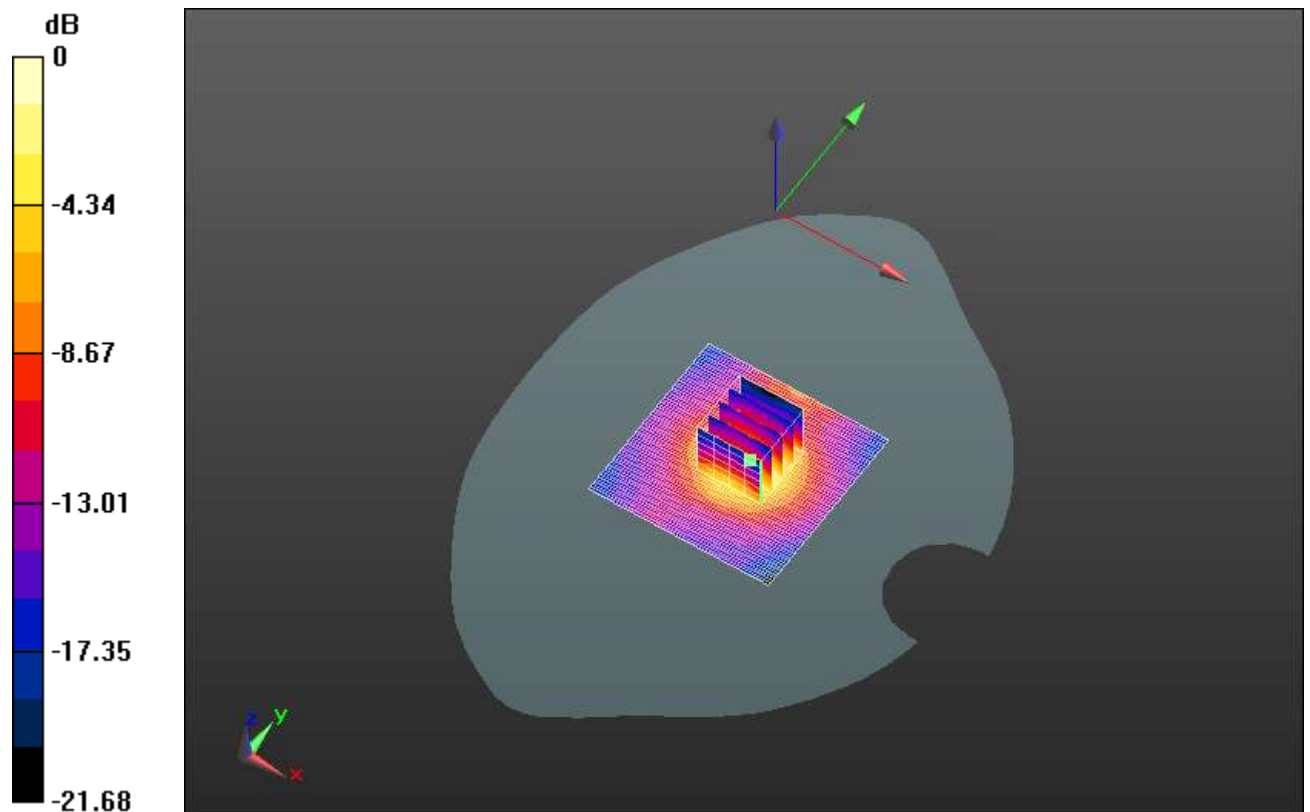
802.11b/TOP -Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.693 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.473 mW/g

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.114 mW/g

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.262 W/kg = -11.64 dB W/kg

Date: 2016.07.20.

MW41TM Wi-Fi (MIMO) 802.11b Body Top Side Mid

Medium: MSL2450

Communication System: 802.11b/g/n; Communication System Band: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 52.719$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.07, 7.07, 7.07); Calibrated: 2015.11.26.;
Electronics: DAE4 Sn876; Calibrated: 2016.03.02.

802.11b/Top-Mid /Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 12.327 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (interpolated) = 0.356 W/kg

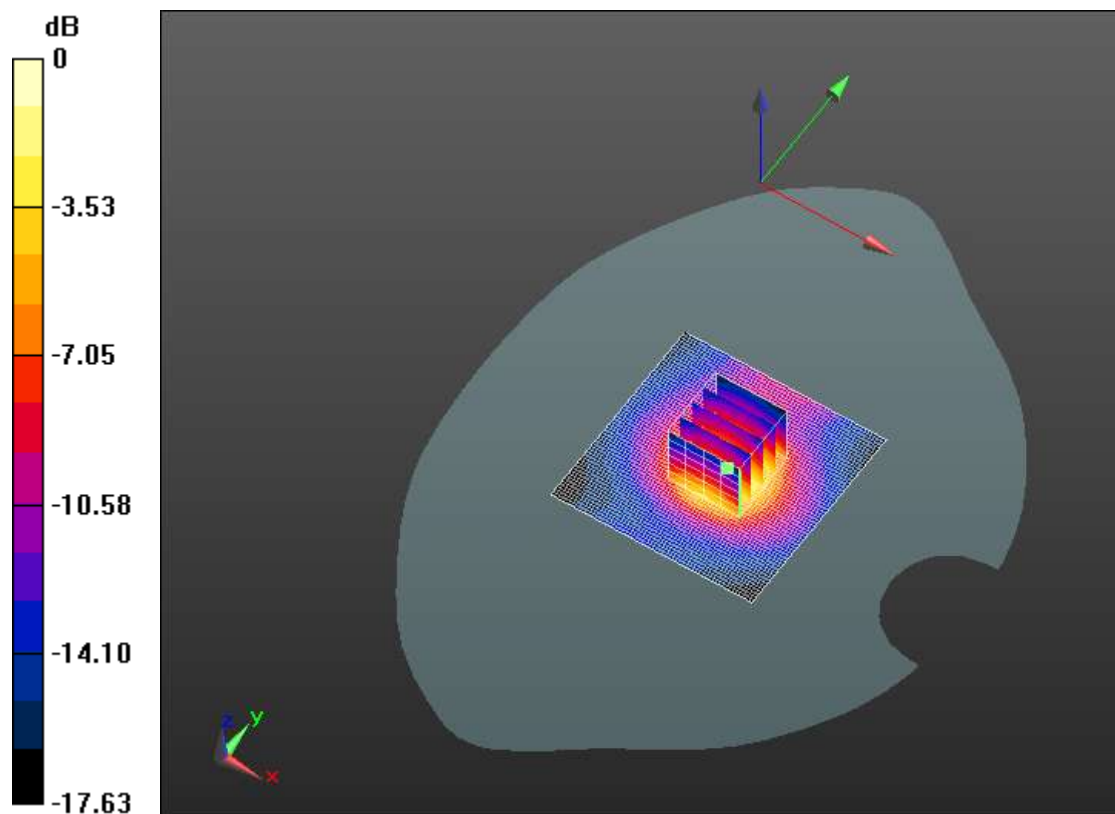
802.11b/Top-Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.327 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.626 mW/g

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.153 mW/g

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.356 W/kg = -8.97 dB W/kg