#01_LTE Band 12_10M_QPSK_1RB_Head Face UP_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.873 S/m; ε$_r$ = 43.851; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.96, 9.96, 9.96); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
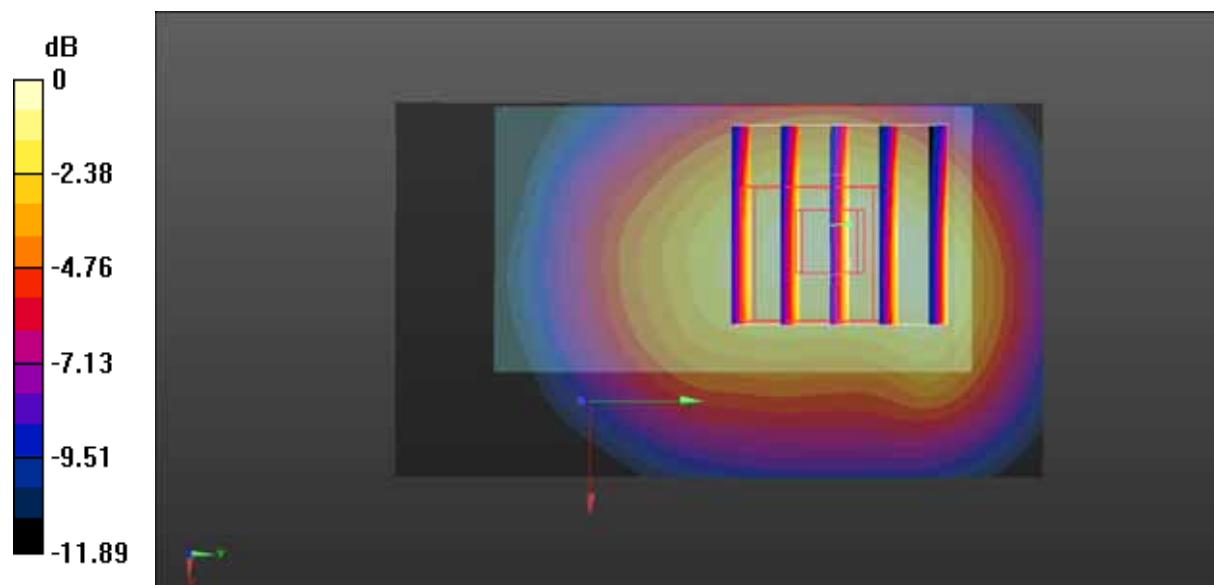Maximum value of SAR (interpolated) = 0.492 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.37 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.606 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.503 W/kg

0 dB = 0.503 W/kg = -2.98 dBW/kg

#02_LTE Band 12_10M_QPSK_3RB_Head Face UP_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.873 S/m; ε$_r$ = 43.851; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.96, 9.96, 9.96); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
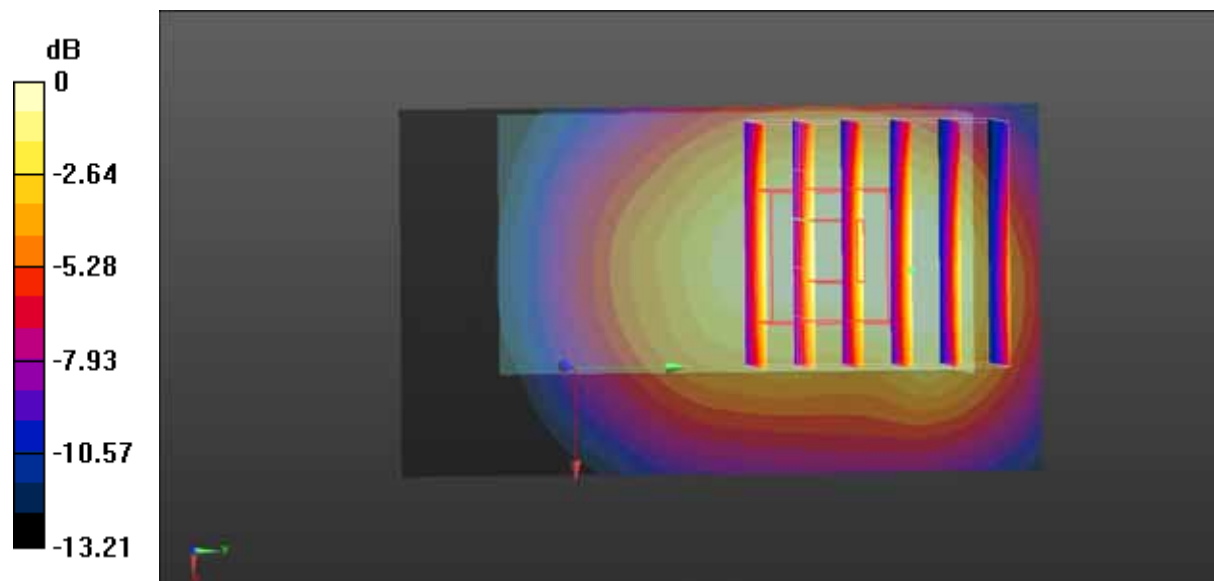Maximum value of SAR (interpolated) = 0.441 W/kg

Ch23095/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.21 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.204 W/kg
Maximum value of SAR (measured) = 0.412 W/kg

0 dB = 0.412 W/kg = -3.85 dBW/kg

#03_LTE Band 12_10M_QPSK_1RB_Head Face UP_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1

Medium: HSL750 Medium parameters used: f = 704 MHz; σ = 0.87 S/m; ε$_r$ = 43.9; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.96, 9.96, 9.96); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23060/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
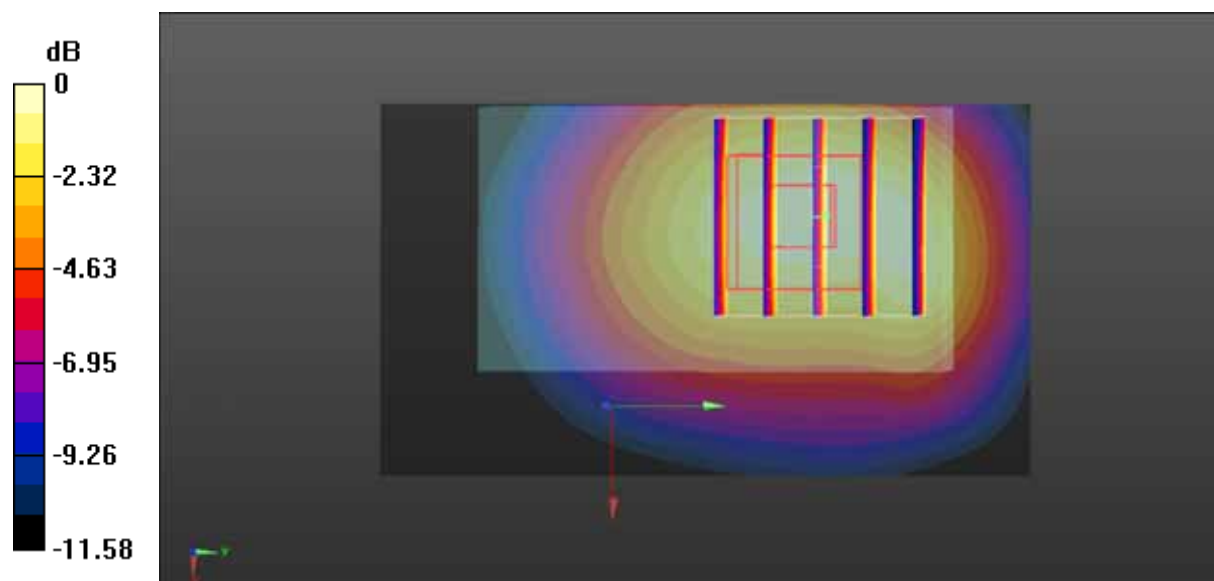Maximum value of SAR (interpolated) = 0.378 W/kg

Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.27 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.438 W/kg
SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.176 W/kg
Maximum value of SAR (measured) = 0.370 W/kg

0 dB = 0.370 W/kg = -4.32 dBW/kg

#04_LTE Band 12_10M_QPSK_1RB_Head Face UP_Ch23130

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: HSL750 Medium parameters used: f = 711 MHz; σ = 0.876 S/m; ε_r = 43.804; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.96, 9.96, 9.96); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23130/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
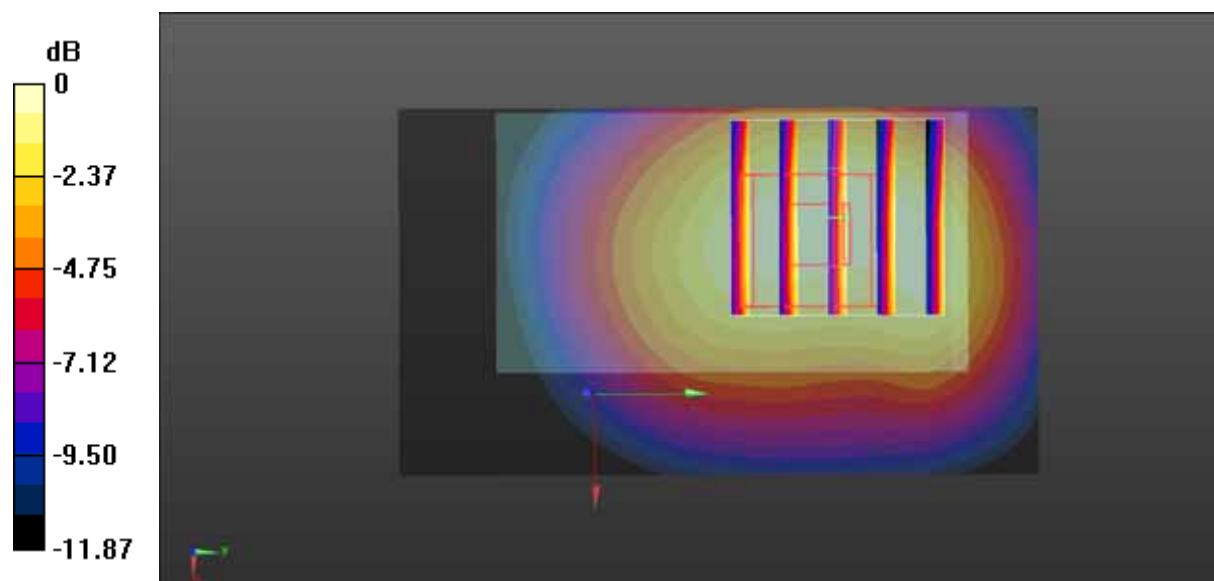Maximum value of SAR (interpolated) = 0.454 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.77 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.430 W/kg

0 dB = 0.430 W/kg = -3.67 dBW/kg

#05_LTE Band 4_20M_QPSK_1RB_Head Face UP_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.363 S/m;
ε_r = 40.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.57, 8.57, 8.57); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
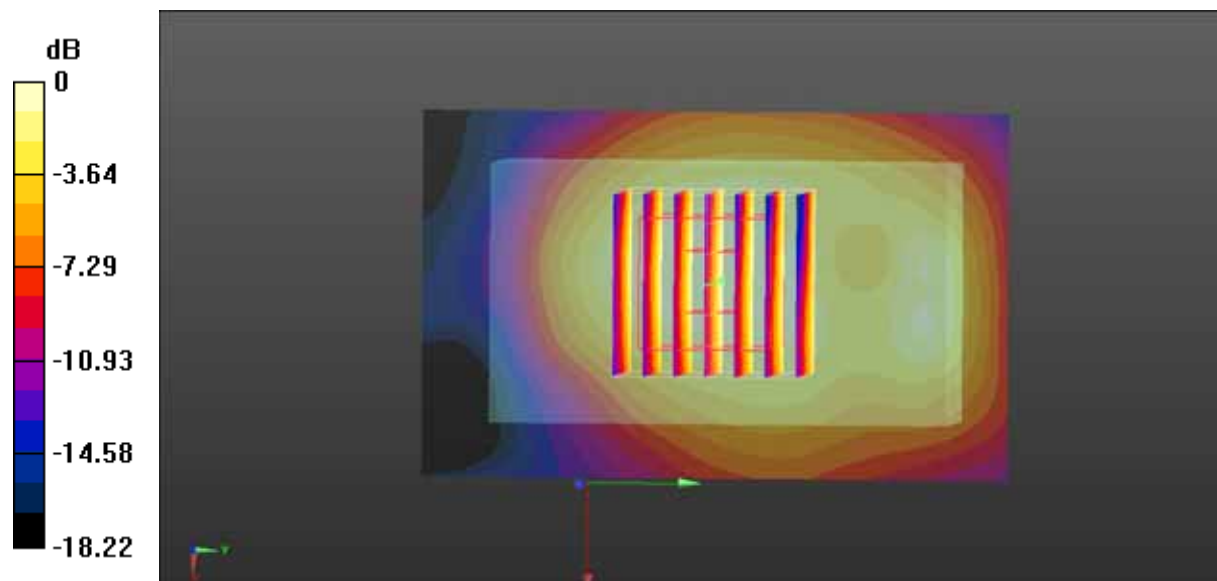Maximum value of SAR (interpolated) = 0.108 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.219 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.131 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.112 W/kg

0 dB = 0.112 W/kg = -9.51 dBW/kg

#06_LTE Band 4_20M_QPSK_3RB_Head Face UP_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.363 S/m;
$ε_r$ = 40.136; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.57, 8.57, 8.57); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
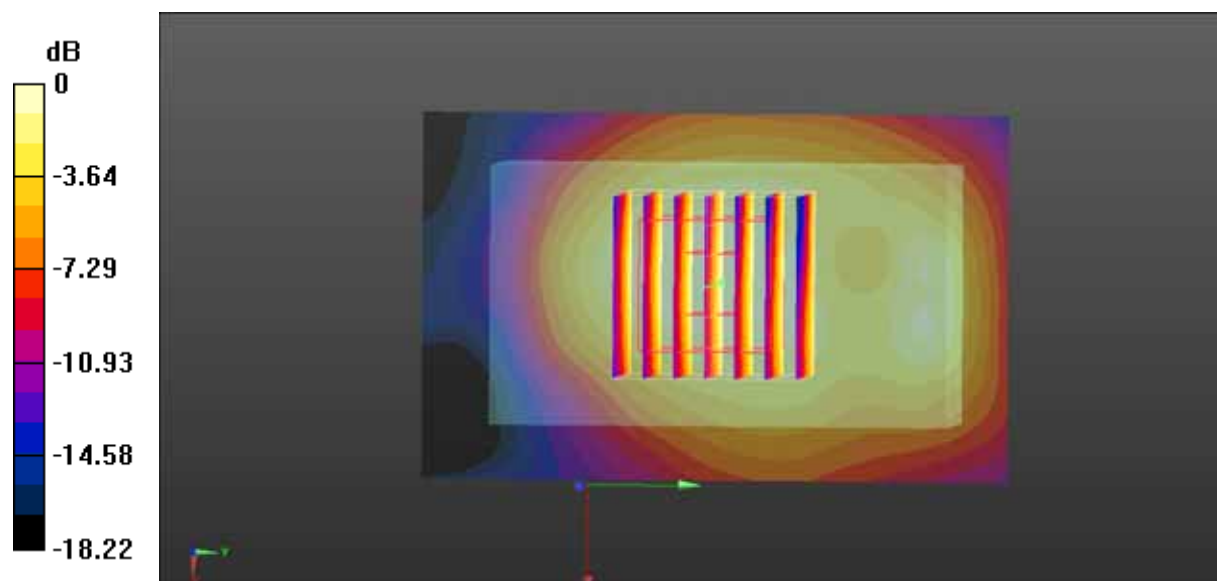Maximum value of SAR (interpolated) = 0.101 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.172 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.122 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.107 W/kg

0 dB = 0.107 W/kg = -9.72 dBW/kg

#07_LTE Band 4_20M_QPSK_1RB_Head Face UP_Ch20050

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1720 MHz; σ = 1.35 S/m; ε$_r$ = 40.218; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.57, 8.57, 8.57); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20050/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
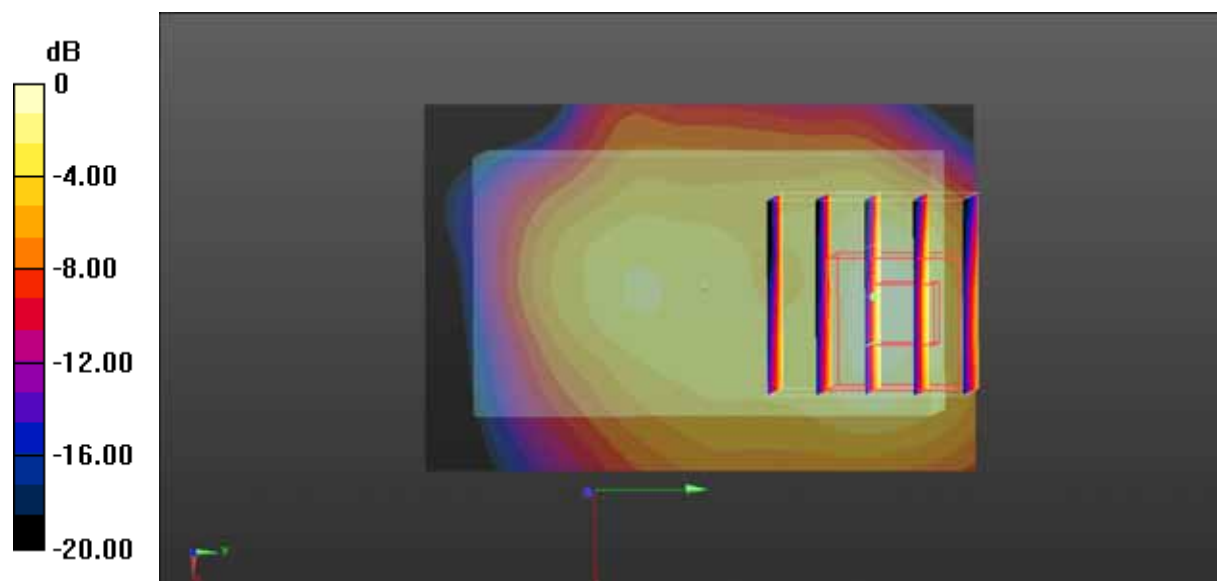Maximum value of SAR (interpolated) = 0.111 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.259 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.035 W/kg
Maximum value of SAR (measured) = 0.113 W/kg

0 dB = 0.113 W/kg = -9.47 dBW/kg

#08_LTE Band 4_20M_QPSK_1RB_Head Face UP_Ch20300

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1745 MHz; σ = 1.375 S/m; ε_r = 40.053; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.57, 8.57, 8.57); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20300/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
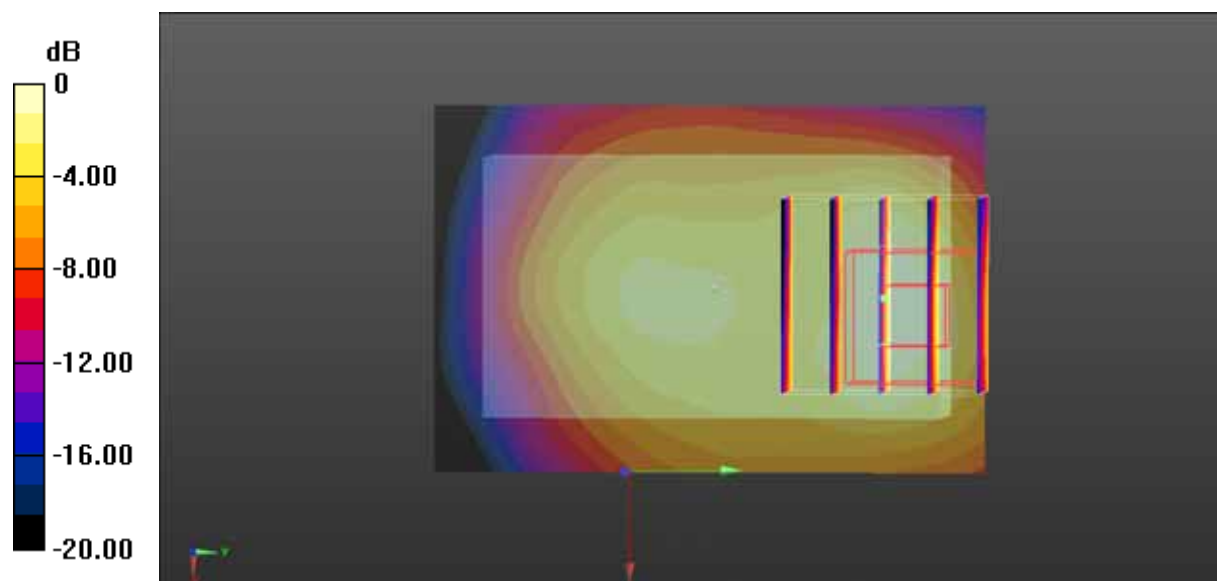Maximum value of SAR (interpolated) = 0.158 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.667 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.208 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.155 W/kg

0 dB = 0.155 W/kg = -8.10 dBW/kg

#09_LTE Band 2_20M_QPSK_1RB_Head Face UP_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.432 S/m; εr = 41.428; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
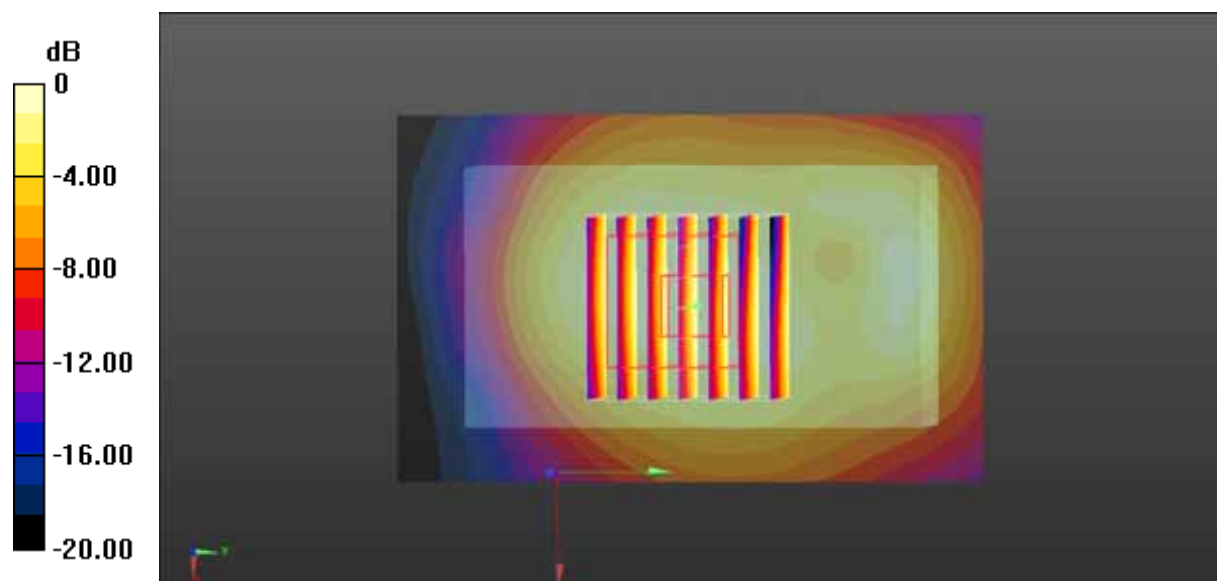Maximum value of SAR (interpolated) = 0.269 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.28 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.119 W/kg
Maximum value of SAR (measured) = 0.279 W/kg

0 dB = 0.279 W/kg = -5.54 dBW/kg

#10_LTE Band 2_20M_QPSK_3RB_Head Face UP_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.432 S/m; ε_r = 41.428; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
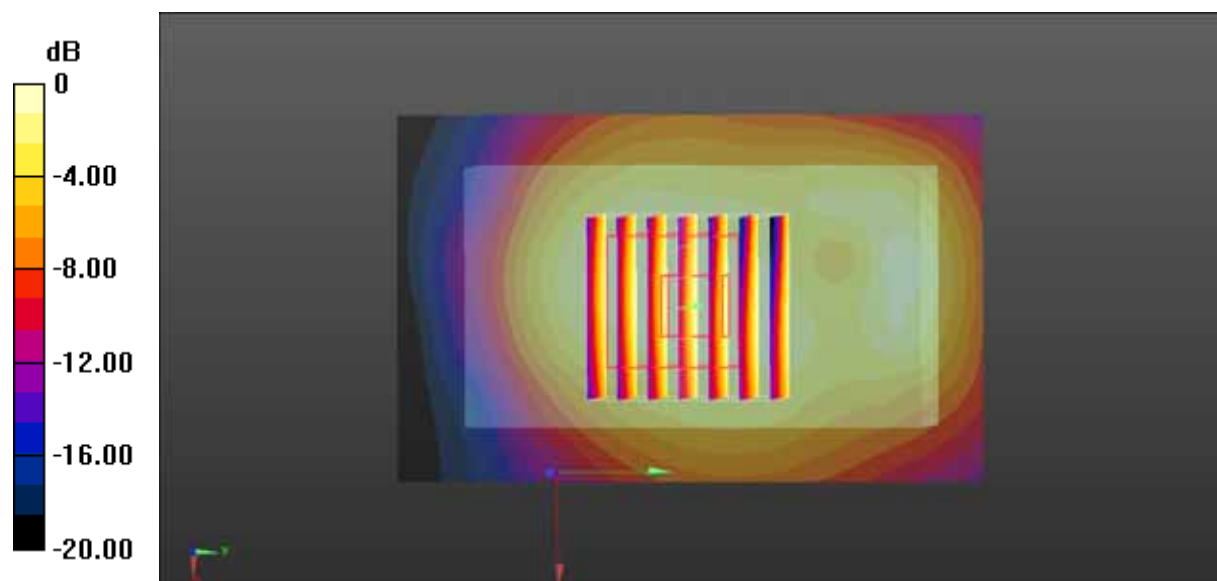Maximum value of SAR (interpolated) = 0.251 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.02 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.108 W/kg
Maximum value of SAR (measured) = 0.270 W/kg

0 dB = 0.270 W/kg = -5.68 dBW/kg

#11_LTE Band 2_20M_QPSK_1RB_Head Face UP_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1860 MHz; σ = 1.412 S/m; ε_r = 41.513; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26); Calibrated: 11/5/2018, ConvF(8.26, 8.26, 8.26); Calibrated: 11/5/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18700/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.324 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.01 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.442 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.110 W/kg
Maximum value of SAR (measured) = 0.339 W/kg
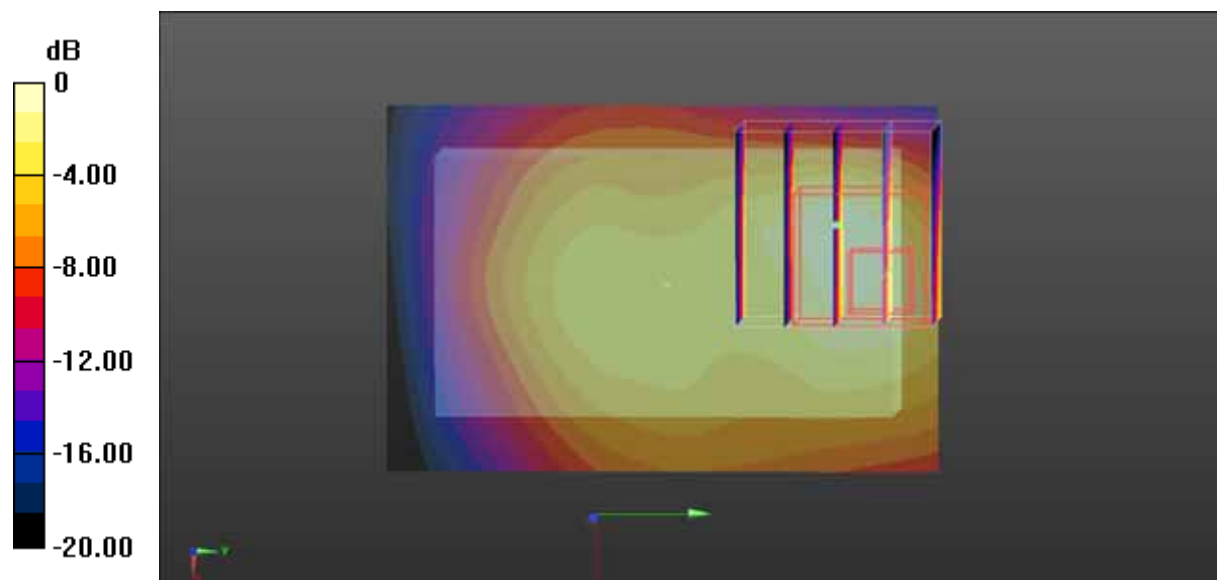
0 dB = 0.339 W/kg = -4.70 dBW/kg

#12_LTE Band 2_20M_QPSK_1RB_Head Face UP_Ch19100

Communication System: LTE; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1900 MHz; σ = 1.453 S/m; ε_r = 41.35; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch19100/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
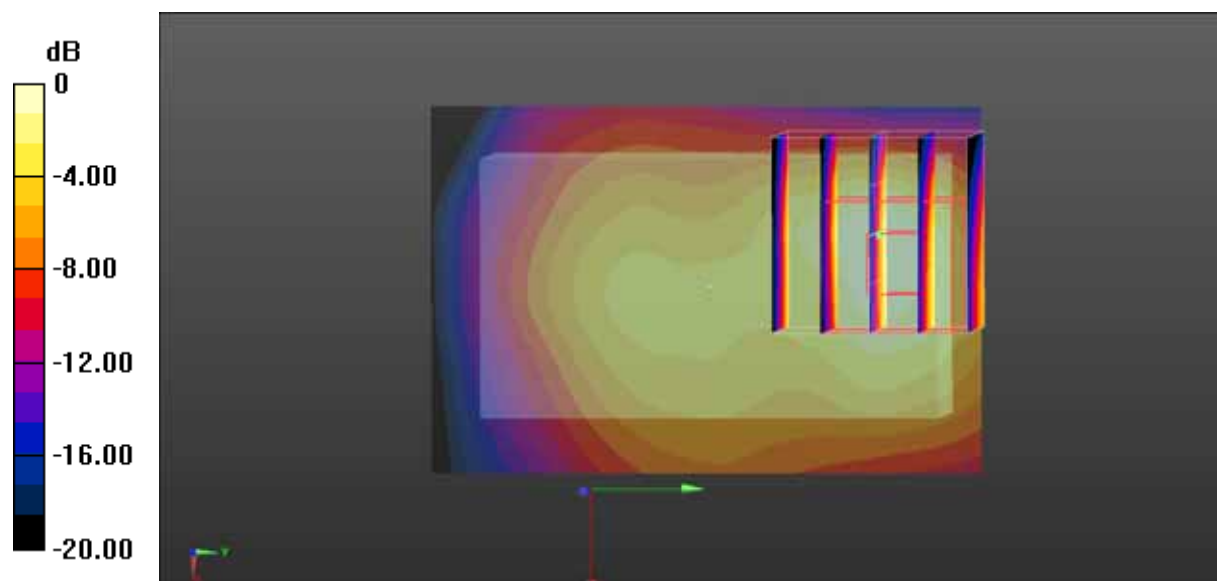Maximum value of SAR (interpolated) = 0.273 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.16 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.371 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.090 W/kg
Maximum value of SAR (measured) = 0.286 W/kg

0 dB = 0.286 W/kg = -5.44 dBW/kg

#13_WLAN2.4GHz_802.11b 1Mbps_Head Face UP_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 S/m; ε$_r$
= 38.021; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
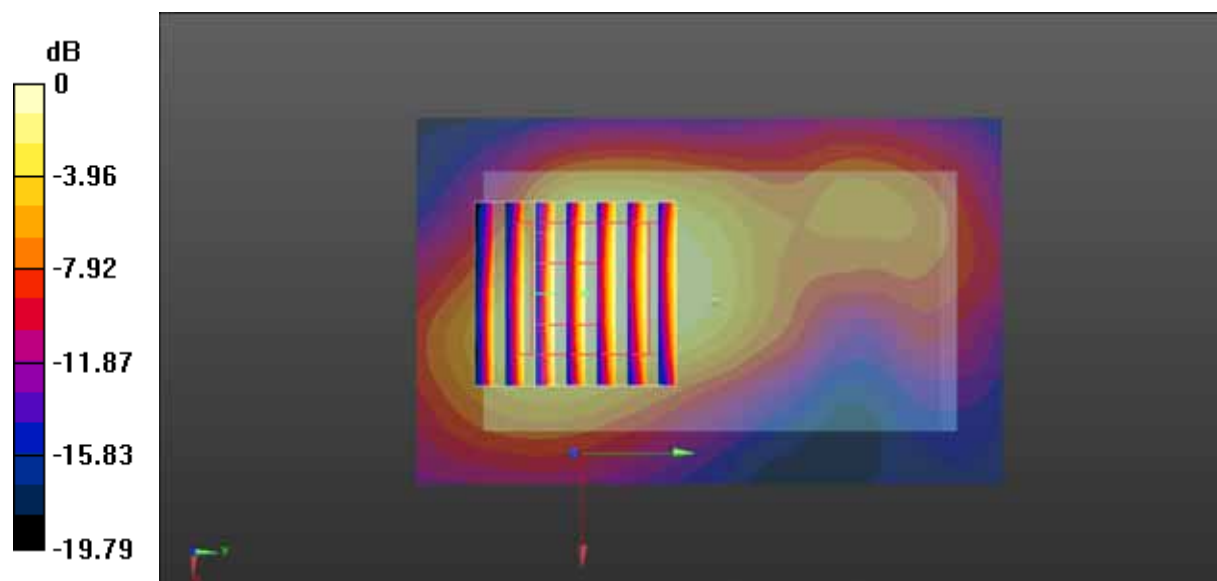Maximum value of SAR (interpolated) = 0.335 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.47 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.096 W/kg
Maximum value of SAR (measured) = 0.268 W/kg

0 dB = 0.268 W/kg = -5.72 dBW/kg

#14_WLAN2.4GHz_802.11b 1Mbps_Head Face UP_Ch1

Communication System: 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.838 S/m; ε$_r$
= 38.149; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch1/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
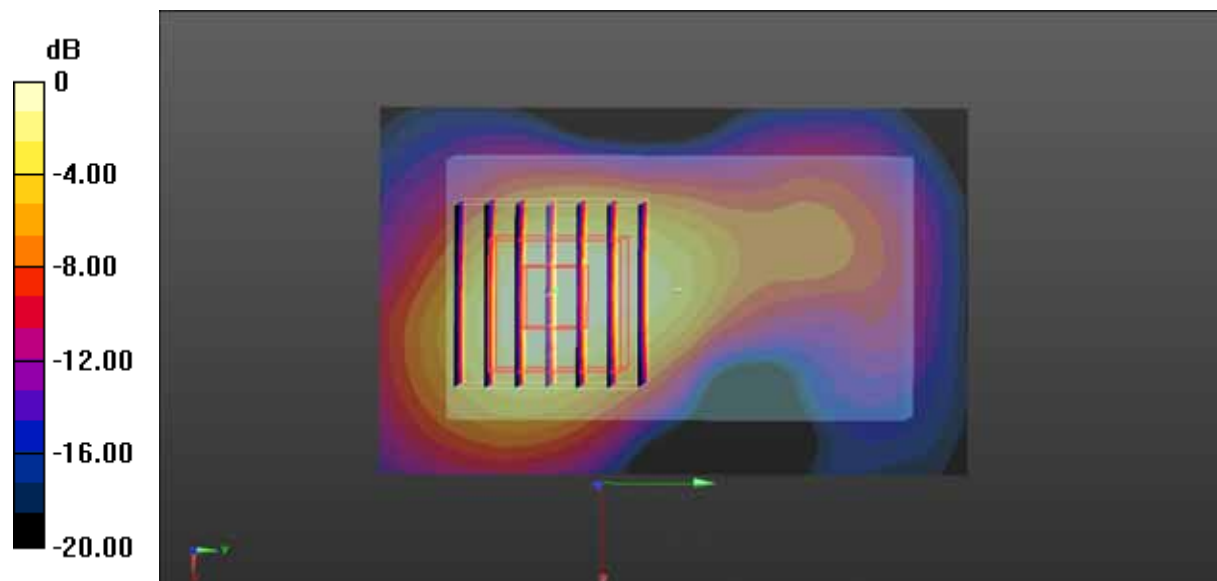Maximum value of SAR (interpolated) = 0.430 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.84 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.463 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.372 W/kg

0 dB = 0.372 W/kg = -4.29 dBW/kg

#15_WLAN2.4GHz_802.11b 1Mbps_Head Face UP_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.893 S/m; ε_r = 37.862; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch11/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
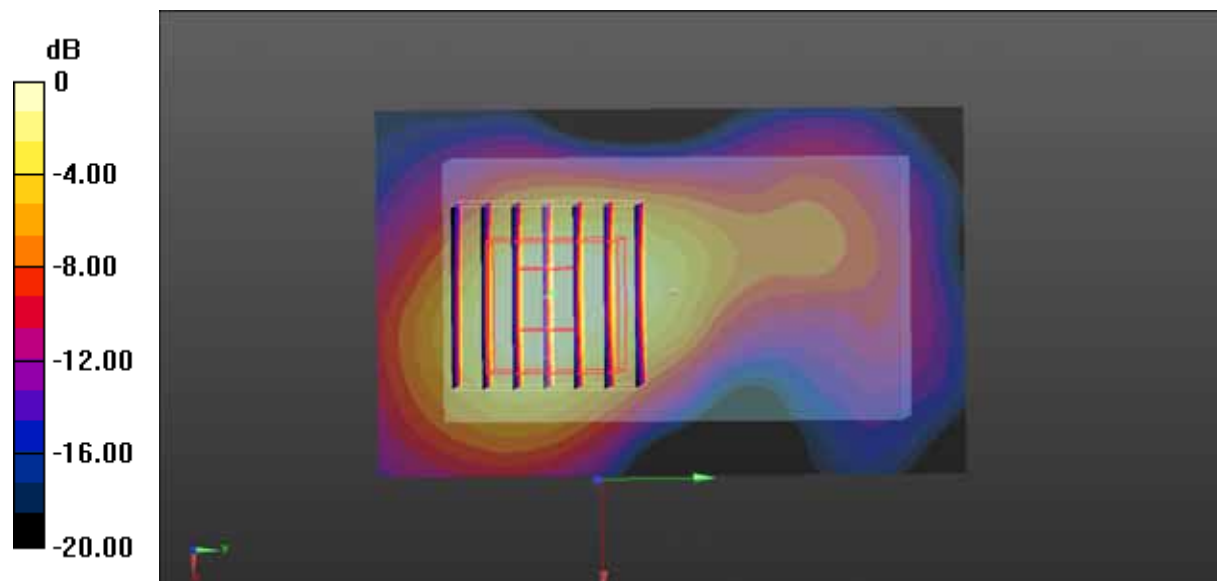Maximum value of SAR (interpolated) = 0.457 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.01 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.126 W/kg
Maximum value of SAR (measured) = 0.392 W/kg

0 dB = 0.392 W/kg = -4.07 dBW/kg

#16_LTE Band 12_10M_QPSK_1RB_0Offset_Front_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε$_r$ = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
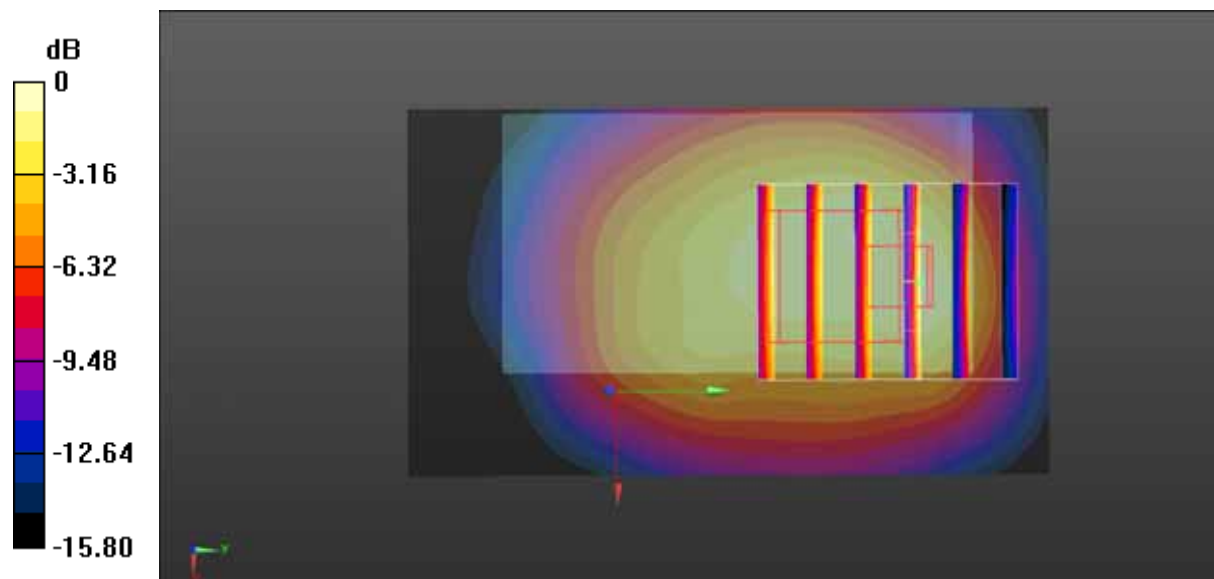Maximum value of SAR (interpolated) = 0.776 W/kg

Ch23095/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.20 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.96 W/kg
SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 1.97 W/kg

0 dB = 1.97 W/kg = 2.95 dBW/kg

#17_LTE Band 12_10M_QPSK_3RB_0Offset_Front_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
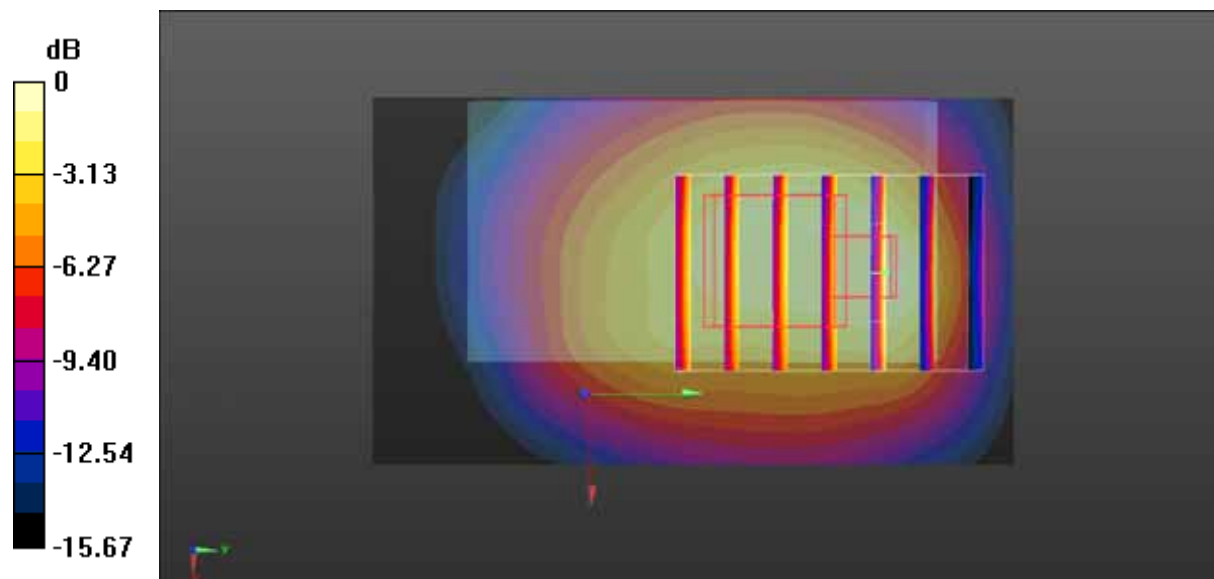Maximum value of SAR (interpolated) = 0.746 W/kg

Ch23095/Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.82 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.337 W/kg
Maximum value of SAR (measured) = 1.84 W/kg

0 dB = 1.84 W/kg = 2.65 dBW/kg

#18_LTE Band 12_10M_QPSK_1RB_0Offset_Back_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; $ε_r$ = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
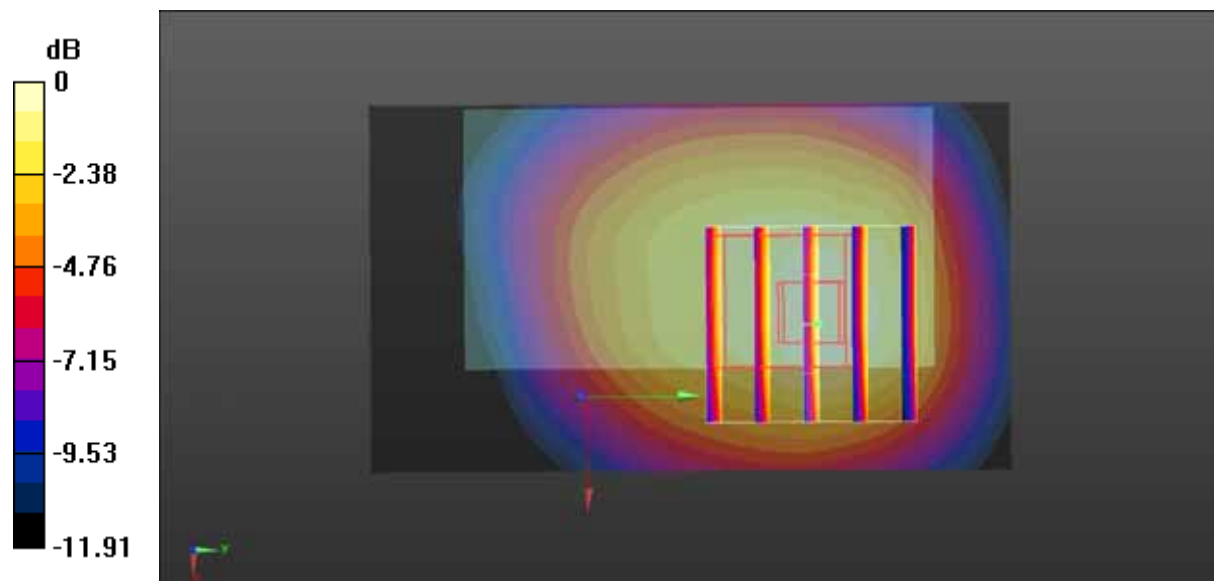Maximum value of SAR (interpolated) = 0.457 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.39 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.548 W/kg
SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.241 W/kg
Maximum value of SAR (measured) = 0.482 W/kg

0 dB = 0.482 W/kg = -3.17 dBW/kg

#19_LTE Band 12_10M_QPSK_3RB_0Offset_Back_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
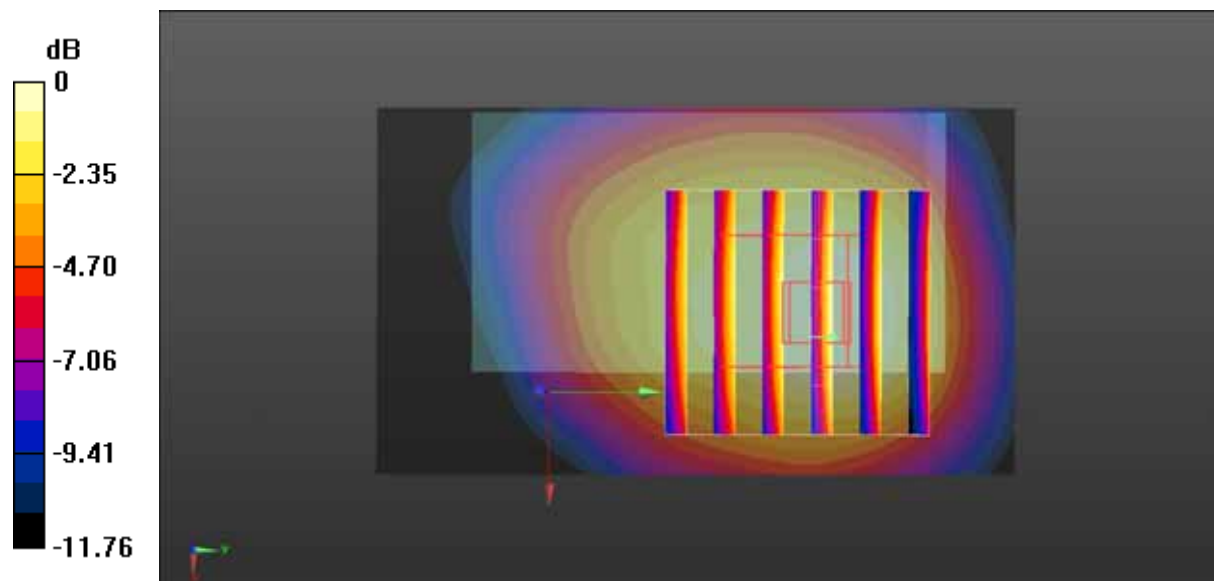Maximum value of SAR (interpolated) = 0.456 W/kg

Ch23095/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.88 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.513 W/kg
SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.446 W/kg

0 dB = 0.446 W/kg = -3.51 dBW/kg

#20_LTE Band 12_10M_QPSK_1RB_0Offset_Left Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r
= 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
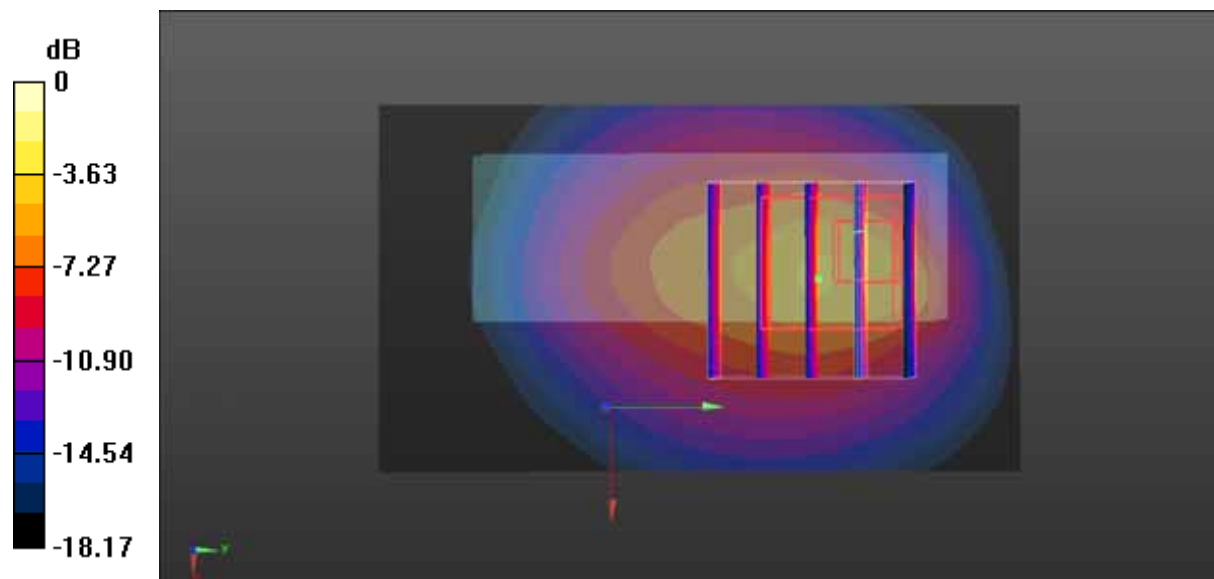Maximum value of SAR (interpolated) = 0.536 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.72 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.60 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 1.56 W/kg

0 dB = 1.56 W/kg = 1.93 dBW/kg

#21_LTE Band 12_10M_QPSK_3RB_0Offset_Left Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
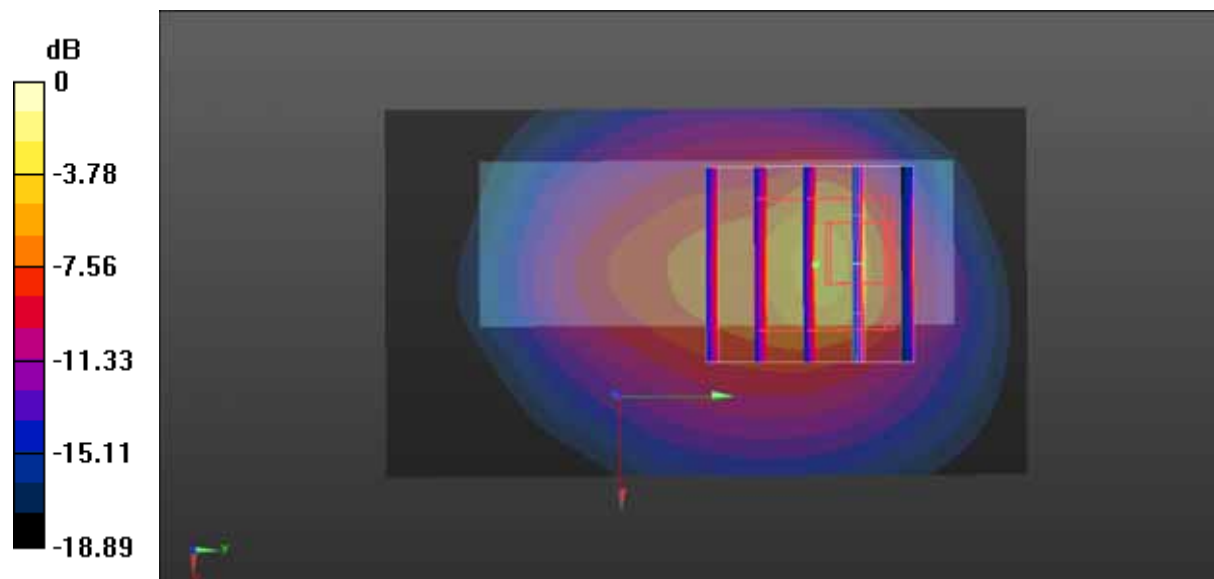Maximum value of SAR (interpolated) = 0.675 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.17 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 1.85 W/kg

0 dB = 1.85 W/kg = 2.67 dBW/kg

#22_LTE Band 12_10M_QPSK_1RB_0Offset_Right Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
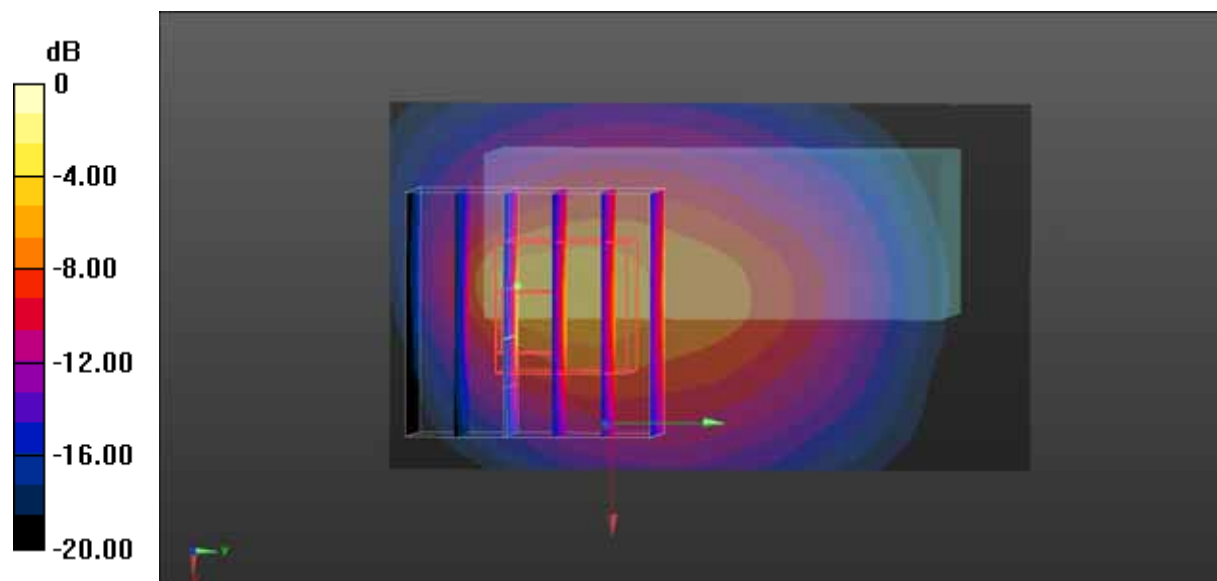Maximum value of SAR (interpolated) = 0.520 W/kg

Ch23095/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.61 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 1.94 W/kg

0 dB = 1.94 W/kg = 2.88 dBW/kg

#23_LTE Band 12_10M_QPSK_3RB_0Offset_Right Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
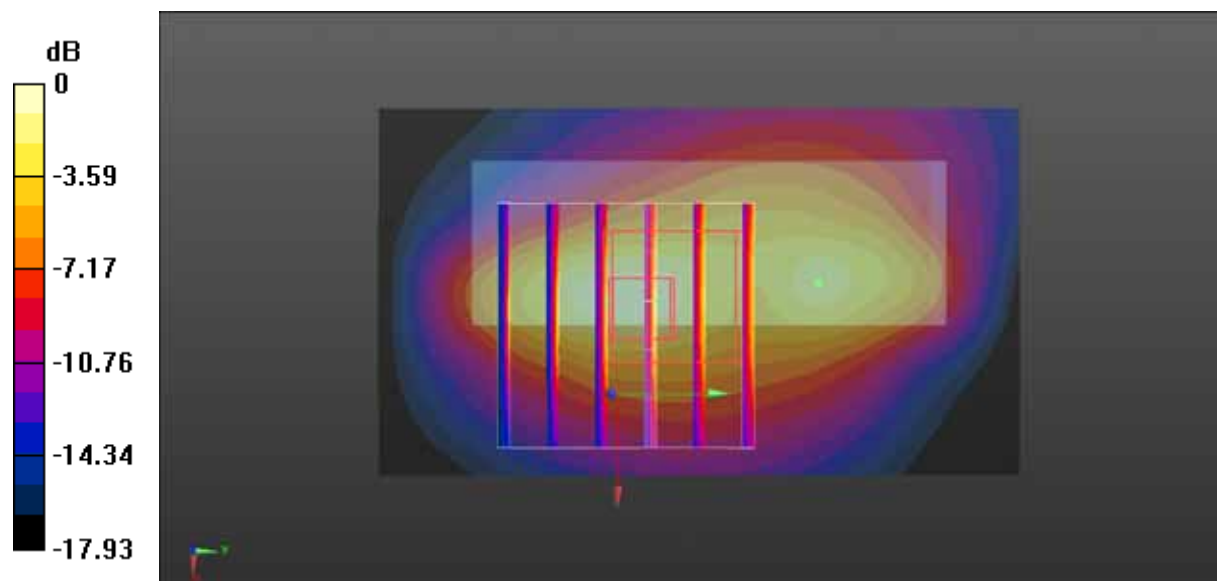Maximum value of SAR (interpolated) = 0.825 W/kg

Ch23095/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.14 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.254 W/kg
Maximum value of SAR (measured) = 0.925 W/kg

0 dB = 0.925 W/kg = -0.34 dBW/kg

#24_LTE Band 12_10M_QPSK_1RB_0Offset_Top Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
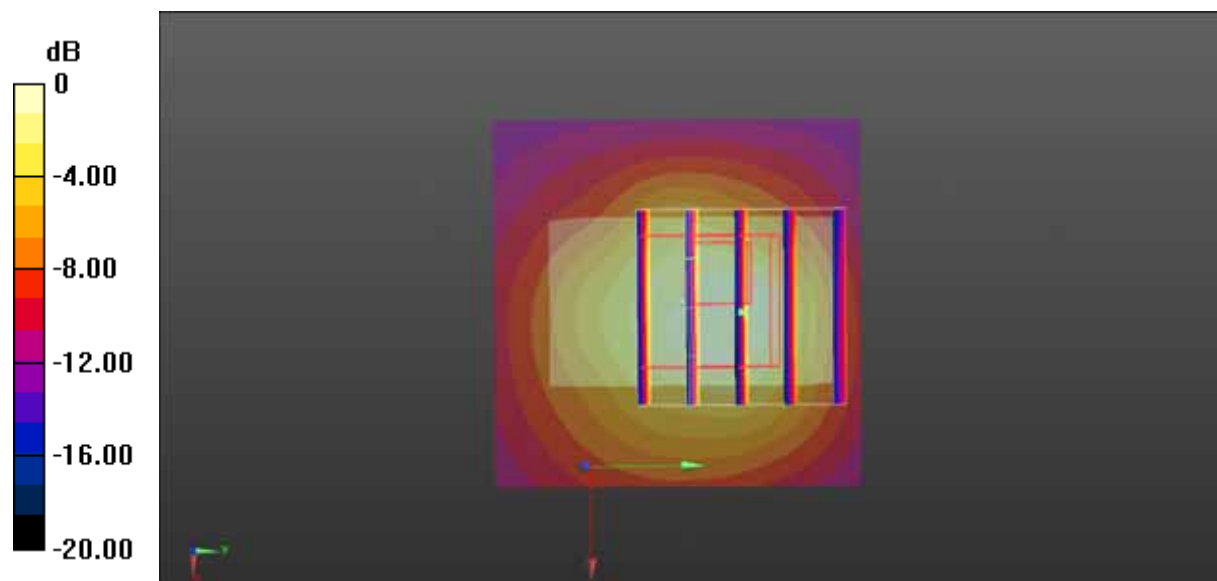Maximum value of SAR (interpolated) = 0.168 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.793 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.082 W/kg
Maximum value of SAR (measured) = 0.465 W/kg

0 dB = 0.465 W/kg = -3.33 dBW/kg

#25_LTE Band 12_10M_QPSK_3RB_0Offset_Top Side_0mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.923 S/m; ε_r = 56.354; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23095/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
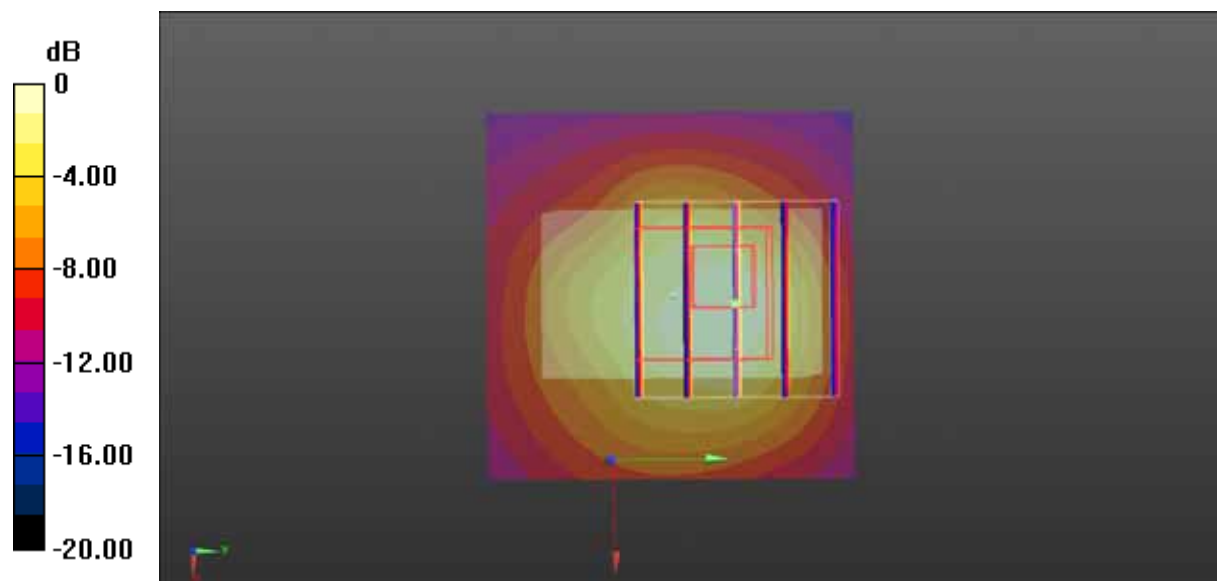Maximum value of SAR (interpolated) = 0.198 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.404 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.626 W/kg

0 dB = 0.626 W/kg = -2.03 dBW/kg

#26_LTE Band 12_10M_QPSK_1RB_0Offset_Front_0mm_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used: f = 704 MHz; σ = 0.919 S/m; ε$_r$ = 56.389; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23060/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
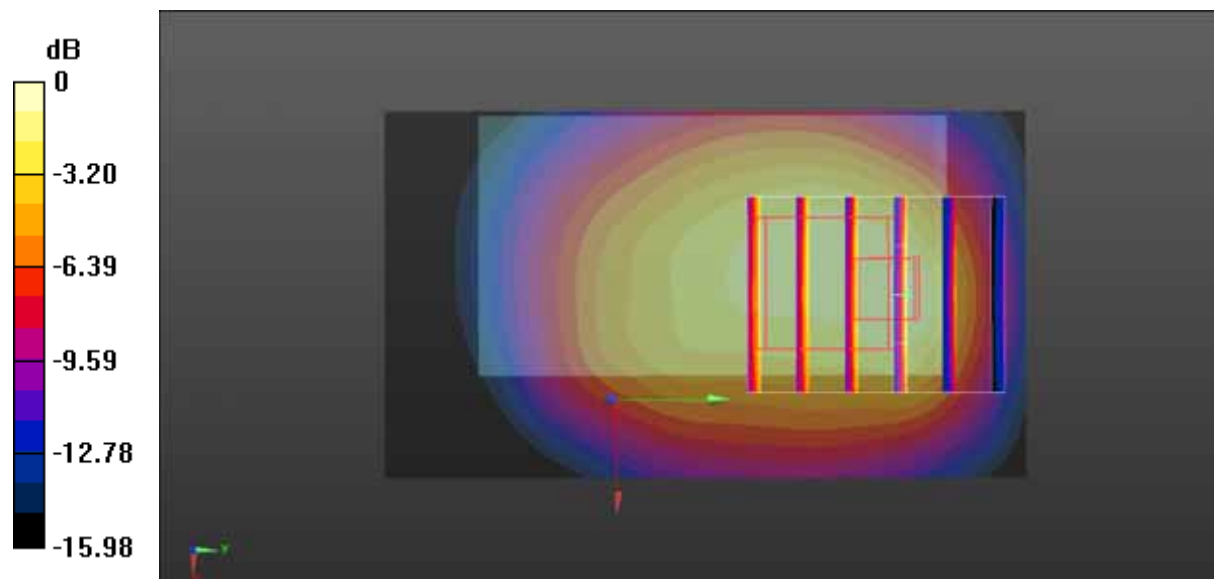Maximum value of SAR (interpolated) = 0.671 W/kg

Ch23060/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.16 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.286 W/kg
Maximum value of SAR (measured) = 1.72 W/kg

0 dB = 1.72 W/kg = 2.36 dBW/kg

#27_LTE Band 12_10M_QPSK_3RB_0Offset_Front_0mm_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used: f = 704 MHz; σ = 0.919 S/m; $ε_r$ = 56.389; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23060/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.666 W/kg

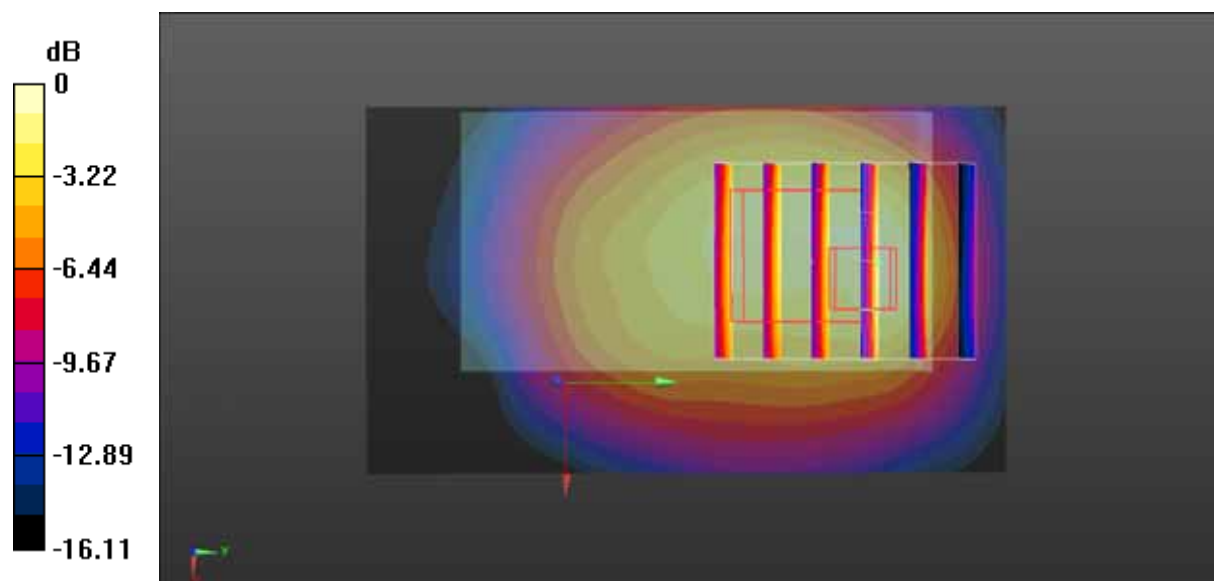**Ch23060/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.79 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.290 W/kg
Maximum value of SAR (measured) = 1.61 W/kg

0 dB = 1.61 W/kg = 2.08 dBW/kg

#28_LTE Band 12_10M_QPSK_1RB_0Offset_Front_0mm_Ch23130

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used: f = 711 MHz; σ = 0.926 S/m; ε$_r$ = 56.32; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23130/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.806 W/kg

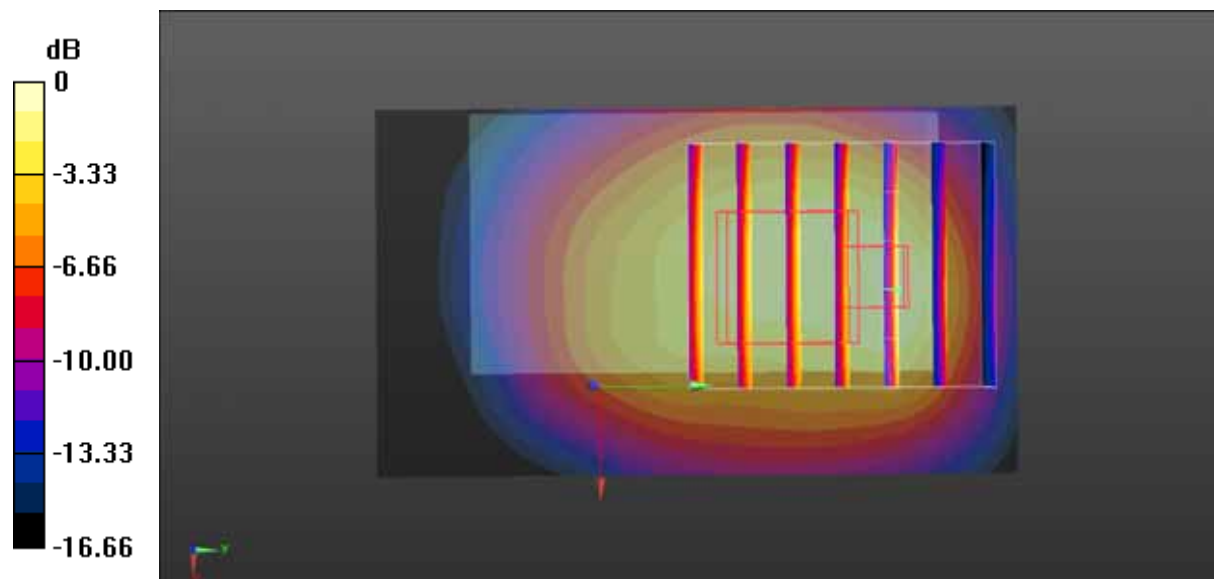**Ch23130/Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.09 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.347 W/kg
Maximum value of SAR (measured) = 1.63 W/kg

0 dB = 1.63 W/kg = 2.13 dBW/kg

#29_LTE Band 12_10M_QPSK_3RB_0Offset_Front_0mm_Ch23130

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used: f = 711 MHz; σ = 0.926 S/m; ε_r = 56.32; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(9.9, 9.9, 9.9); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch23130/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
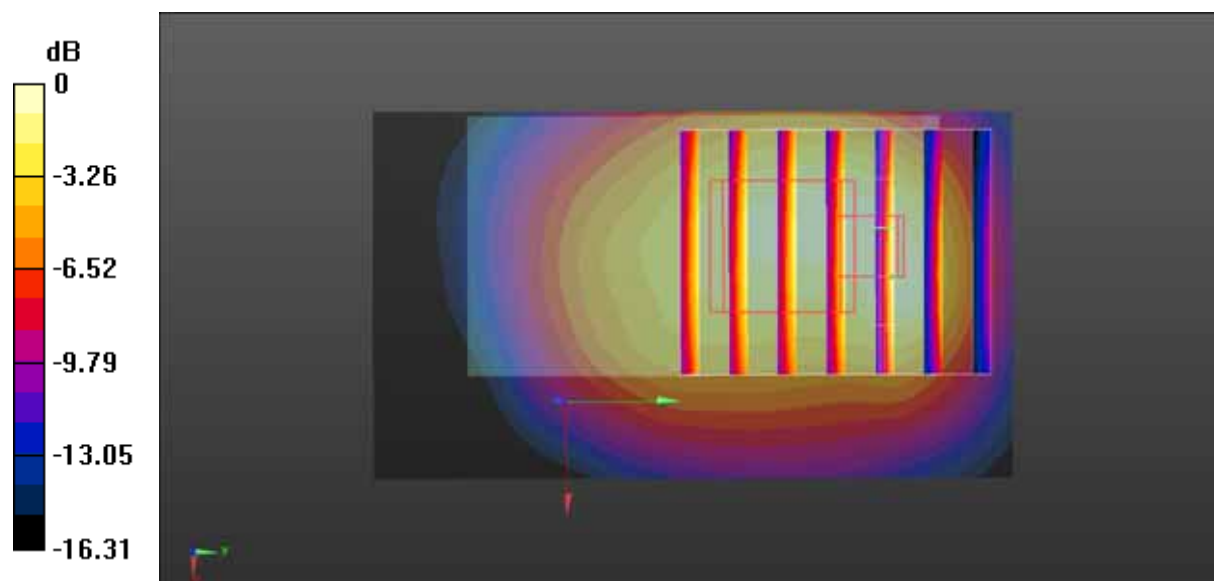Maximum value of SAR (interpolated) = 0.865 W/kg

Ch23130/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.87 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 1.58 W/kg

0 dB = 1.58 W/kg = 1.98 dBW/kg

#30_LTE Band 4_20M_QPSK_1RB_0Offset_Front_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m; ε_r = 53.239; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
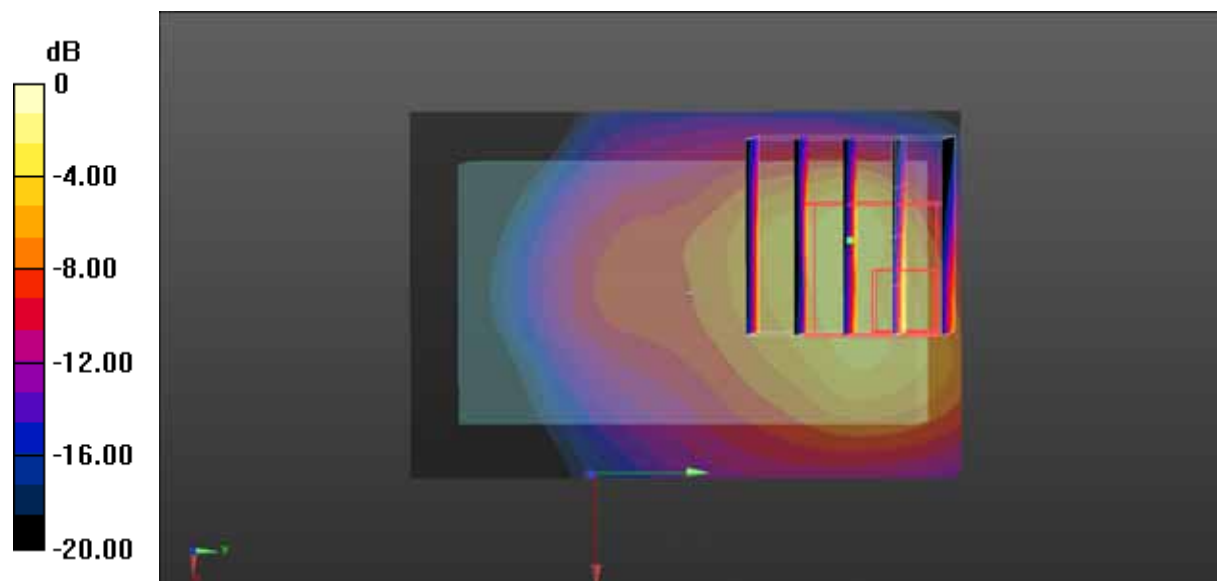Maximum value of SAR (interpolated) = 0.367 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.29 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.862 W/kg
SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 0.689 W/kg

0 dB = 0.689 W/kg = -1.62 dBW/kg

#31_LTE Band 4_20M_QPSK_3RB_0Offset_Front_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
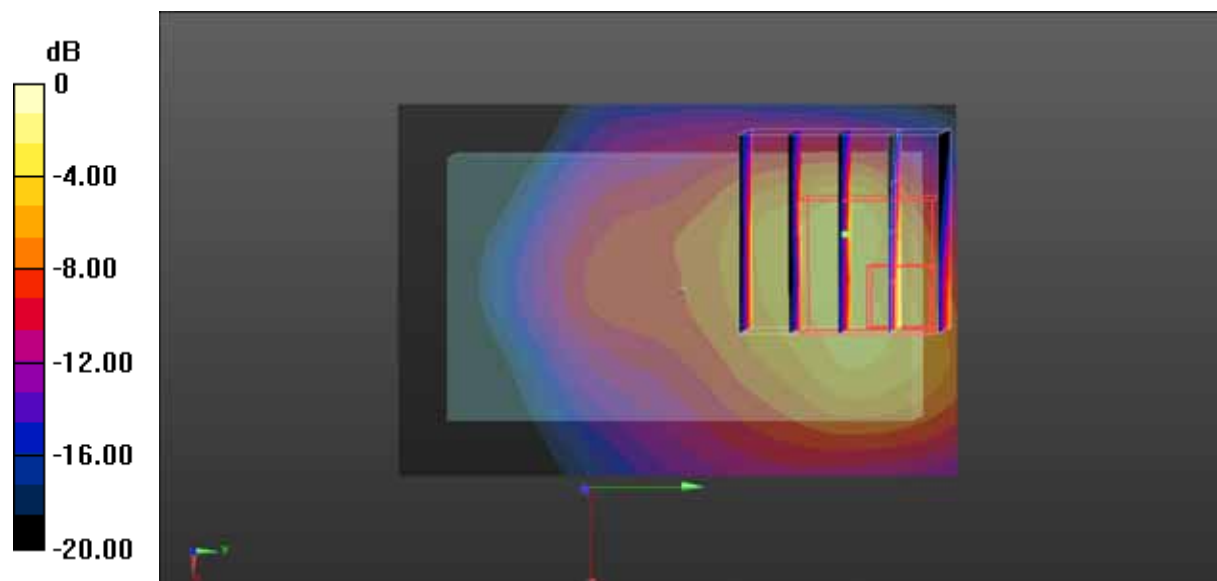Maximum value of SAR (interpolated) = 0.363 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.37 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.845 W/kg
SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 0.682 W/kg

0 dB = 0.682 W/kg = -1.66 dBW/kg

#32_LTE Band 4_20M_QPSK_1RB_0Offset_Back_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
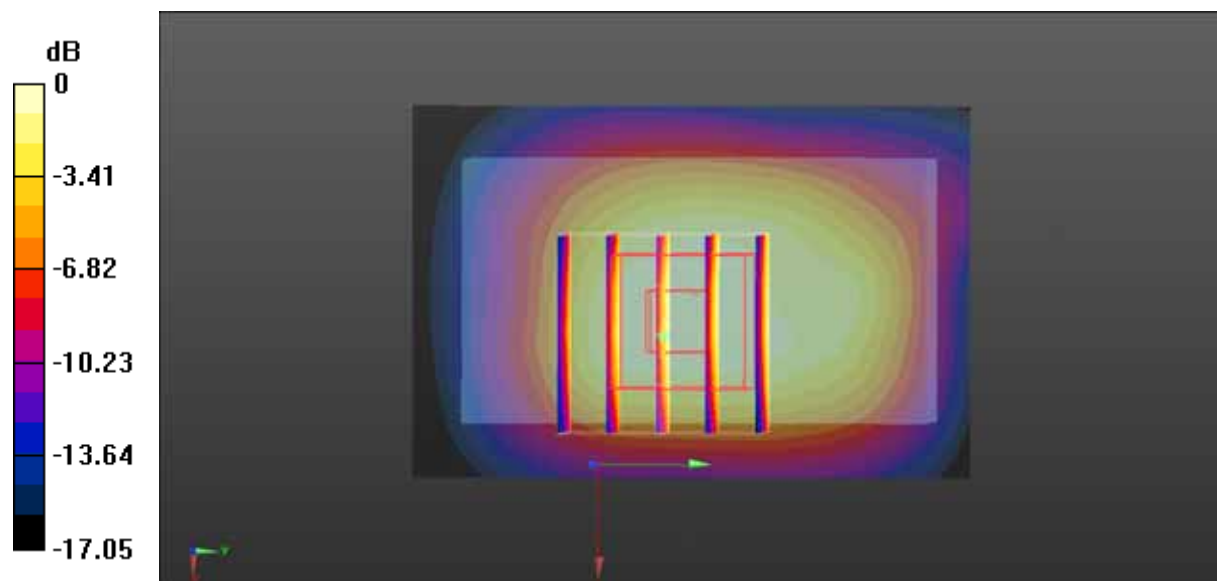Maximum value of SAR (interpolated) = 0.484 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.97 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.228 W/kg
Maximum value of SAR (measured) = 0.470 W/kg

0 dB = 0.470 W/kg = -3.28 dBW/kg

#33_LTE Band 4_20M_QPSK_3RB_0Offset_Back_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
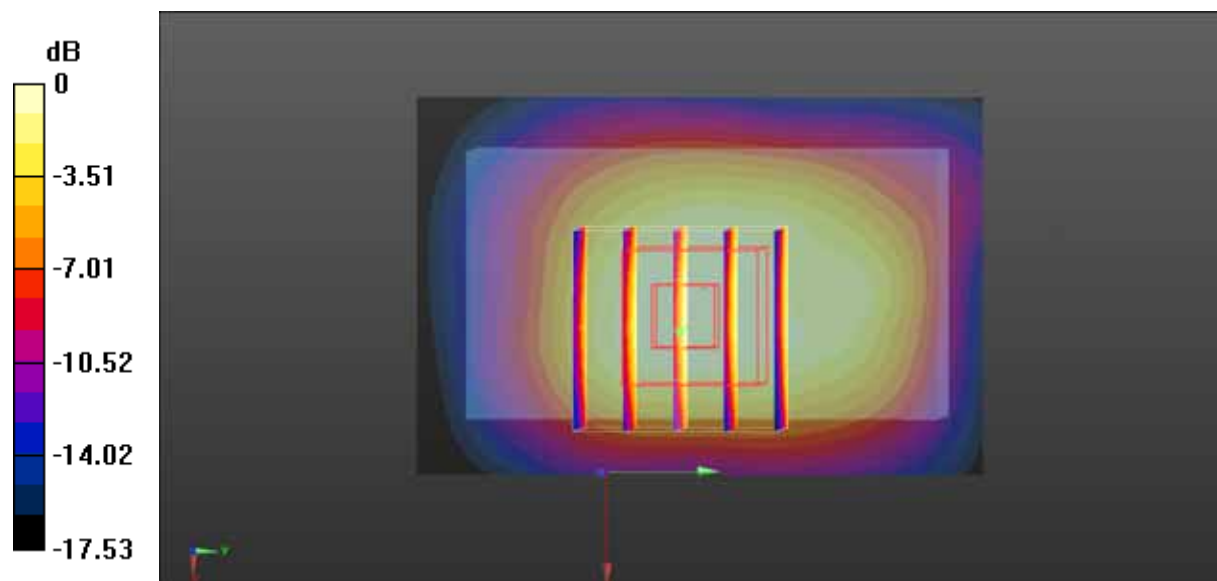Maximum value of SAR (interpolated) = 0.484 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.03 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.231 W/kg
Maximum value of SAR (measured) = 0.472 W/kg

0 dB = 0.472 W/kg = -3.26 dBW/kg

#34_LTE Band 4_20M_QPSK_1RB_0Offset_Left Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
$ε_r$ = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
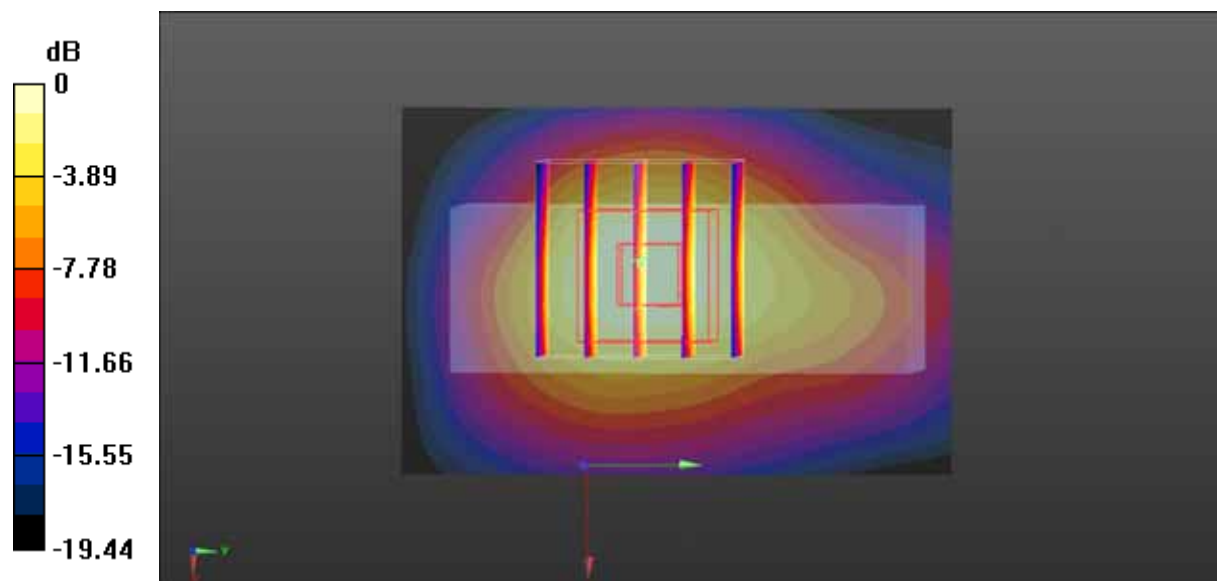Maximum value of SAR (interpolated) = 0.382 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.56 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.419 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.142 W/kg
Maximum value of SAR (measured) = 0.349 W/kg

0 dB = 0.349 W/kg = -4.57 dBW/kg

#35_LTE Band 4_20M_QPSK_3RB_0Offset_Left Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
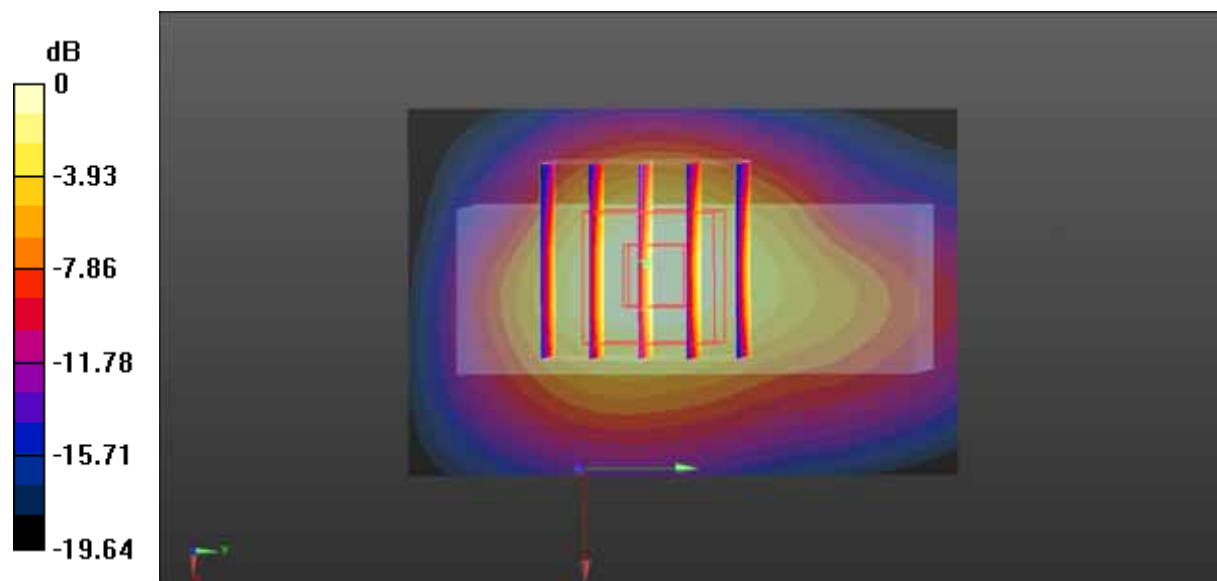Maximum value of SAR (interpolated) = 0.352 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.71 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.318 W/kg

0 dB = 0.318 W/kg = -4.98 dBW/kg

#36_LTE Band 4_20M_QPSK_1RB_0Offset_Right Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
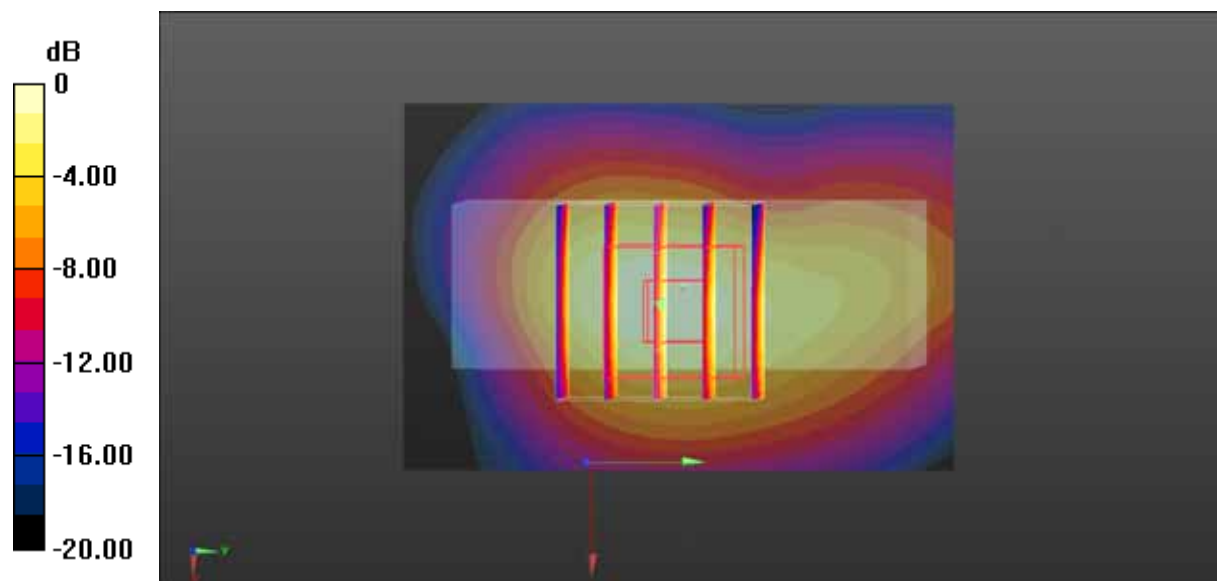Maximum value of SAR (interpolated) = 0.332 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.65 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.393 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.131 W/kg
Maximum value of SAR (measured) = 0.339 W/kg

0 dB = 0.339 W/kg = -4.70 dBW/kg

#37_LTE Band 4_20M_QPSK_3RB_0Offset_Right Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
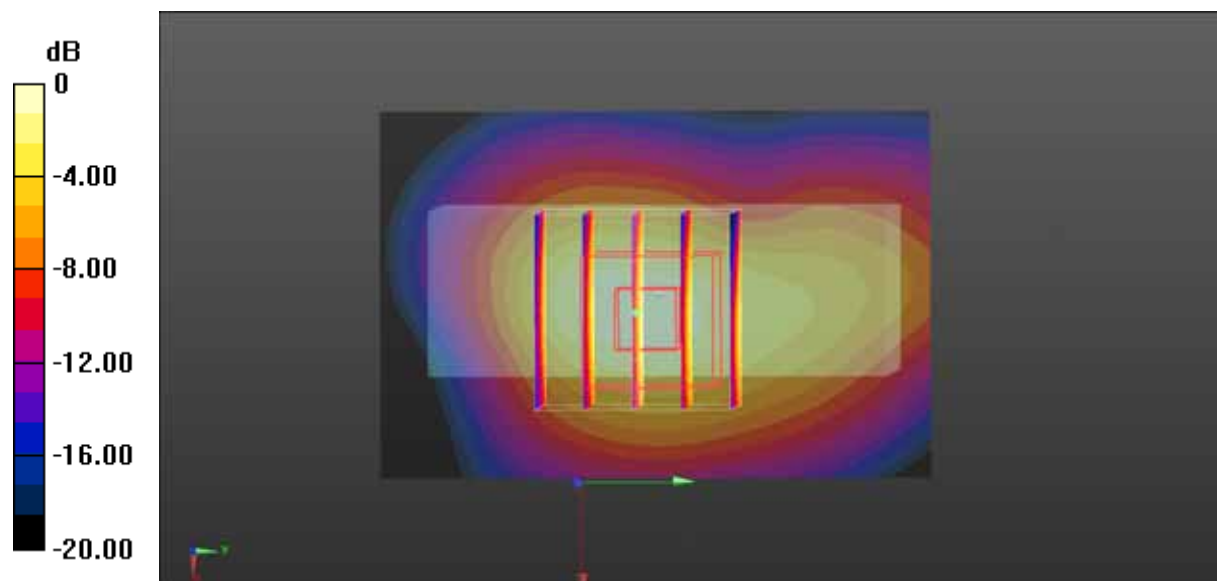Maximum value of SAR (interpolated) = 0.299 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.81 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.119 W/kg
Maximum value of SAR (measured) = 0.314 W/kg

0 dB = 0.314 W/kg = -5.03 dBW/kg

#38_LTE Band 4_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m; ε_r = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
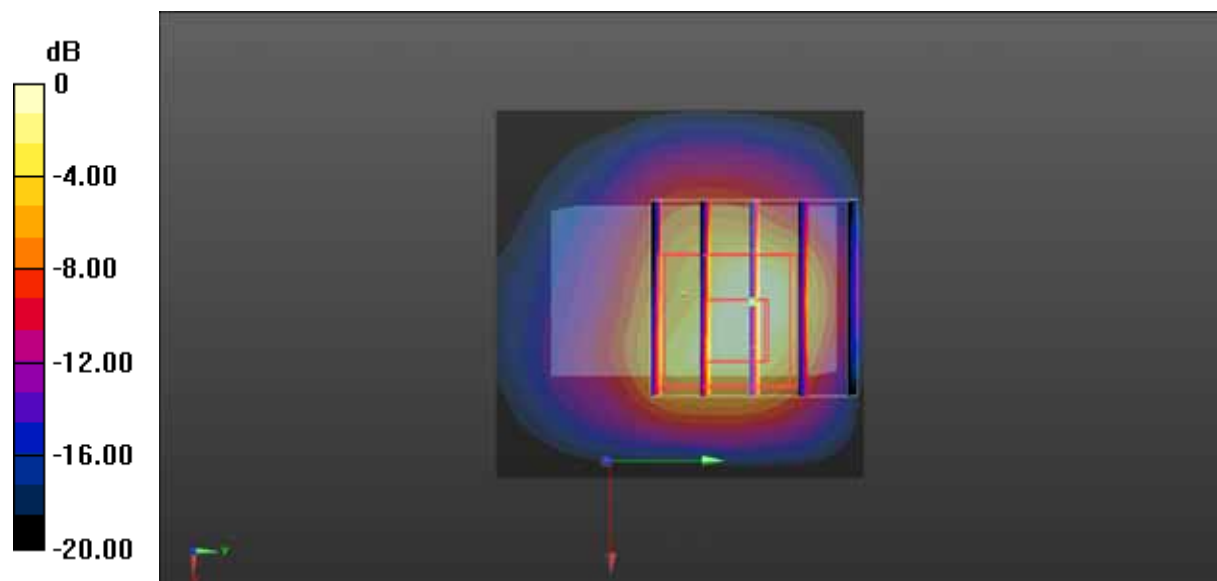Maximum value of SAR (interpolated) = 1.06 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.93 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.901 W/kg

0 dB = 0.901 W/kg = -0.45 dBW/kg

#39_LTE Band 4_20M_QPSK_3RB_0Offset_Top Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.459 S/m;
ε_r = 53.239; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20175/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
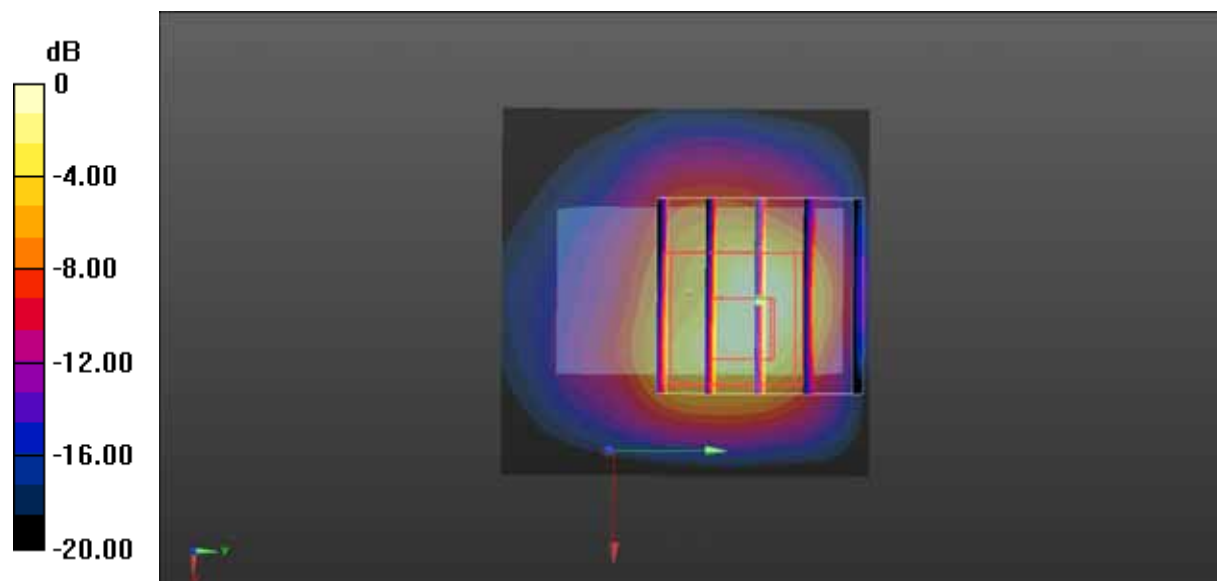Maximum value of SAR (interpolated) = 0.953 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.26 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.204 W/kg
Maximum value of SAR (measured) = 0.805 W/kg

0 dB = 0.805 W/kg = -0.94 dBW/kg

#40_LTE Band 4_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch20050

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1720 MHz; σ = 1.444 S/m; ε$_r$ = 53.316; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20050/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
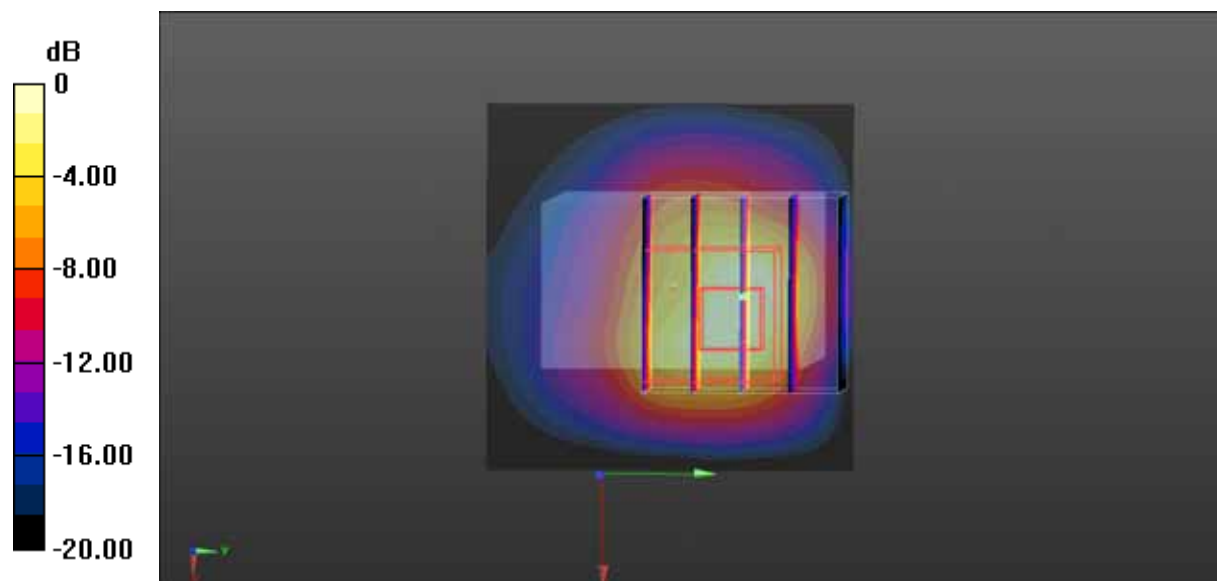Maximum value of SAR (interpolated) = 0.953 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.18 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 0.813 W/kg

0 dB = 0.813 W/kg = -0.90 dBW/kg

#41_LTE Band 4_20M_QPSK_3RB_0Offset_Top Side_0mm_Ch20050

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1720 MHz; σ = 1.444 S/m; ε_r
= 53.316; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20050/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
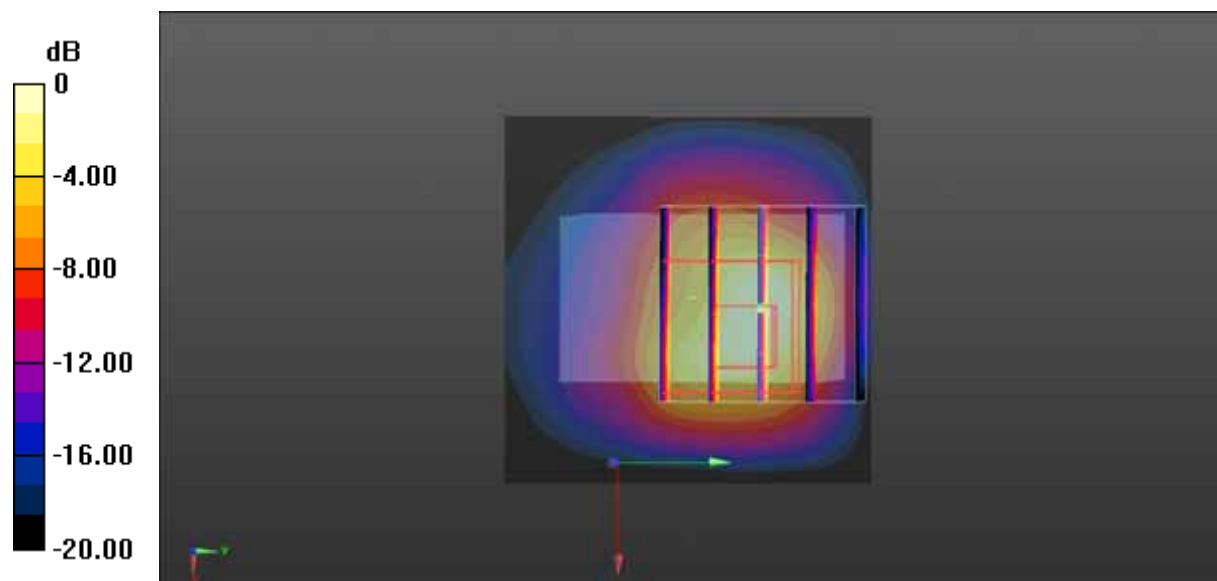Maximum value of SAR (interpolated) = 0.900 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.05 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.965 W/kg
SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.193 W/kg
Maximum value of SAR (measured) = 0.765 W/kg

0 dB = 0.765 W/kg = -1.16 dBW/kg

#42_LTE Band 4_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch20300

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1745 MHz; σ = 1.474 S/m; ε_r = 53.161; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20300/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
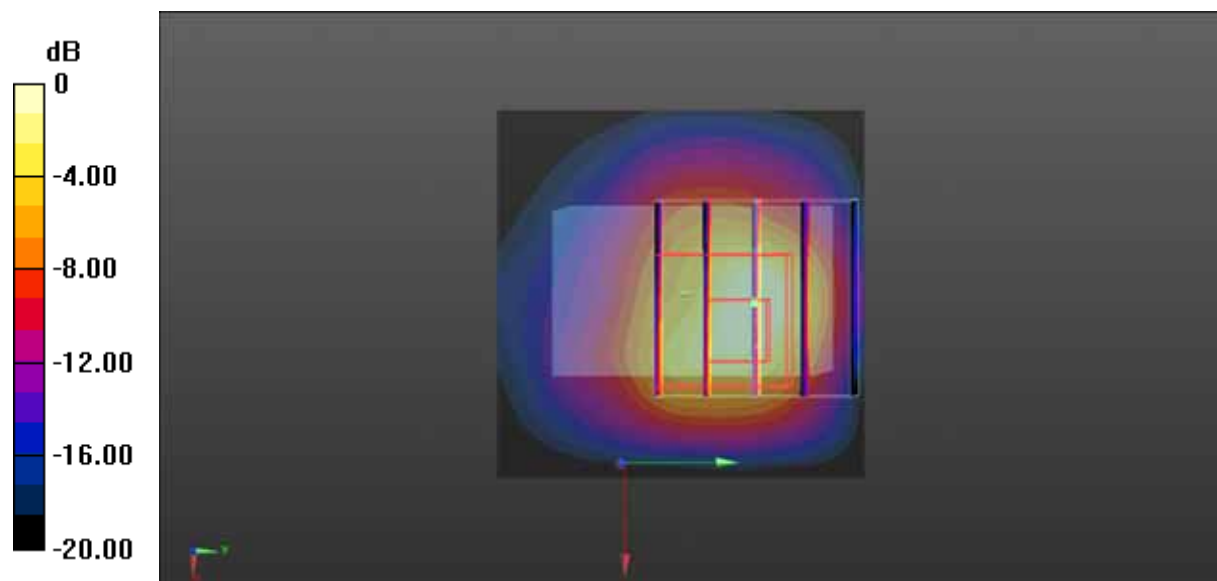Maximum value of SAR (interpolated) = 1.05 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.86 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.887 W/kg

0 dB = 0.887 W/kg = -0.52 dBW/kg

#43_LTE Band 4_20M_QPSK_3RB_0Offset_Top Side_0mm_Ch20300

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1745 MHz; σ = 1.474 S/m; ε_r = 53.161; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(8.11, 8.11, 8.11); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch20300/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
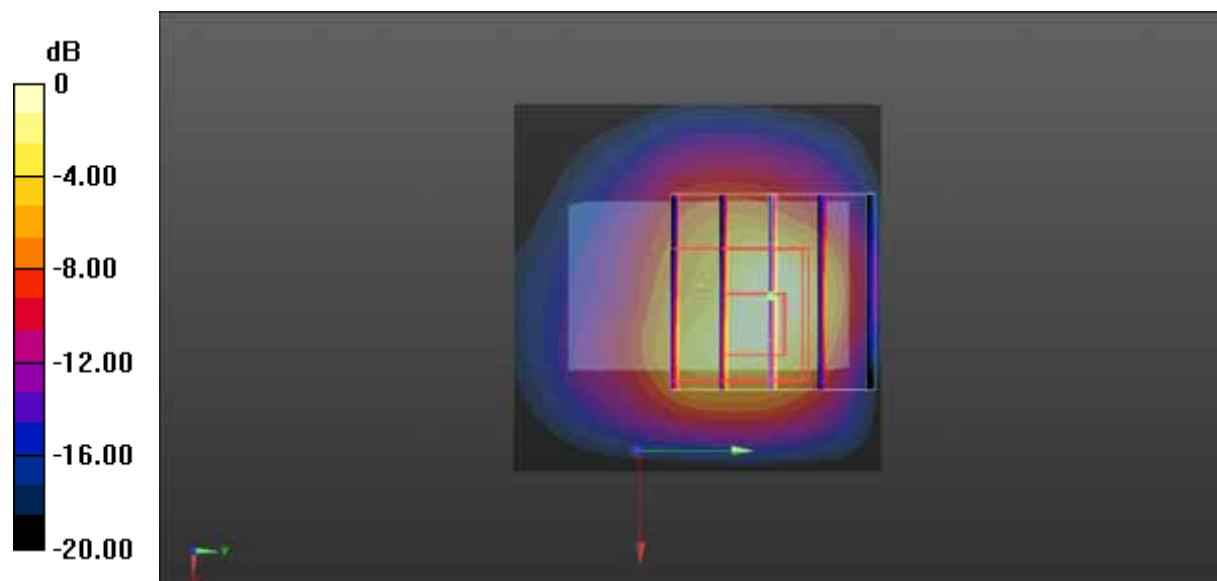Maximum value of SAR (interpolated) = 1.02 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.66 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.222 W/kg
Maximum value of SAR (measured) = 0.871 W/kg

0 dB = 0.871 W/kg = -0.60 dBW/kg

#44_LTE Band 2_20M_QPSK_1RB_0Offset_Front_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε$_r$ = 55.368; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
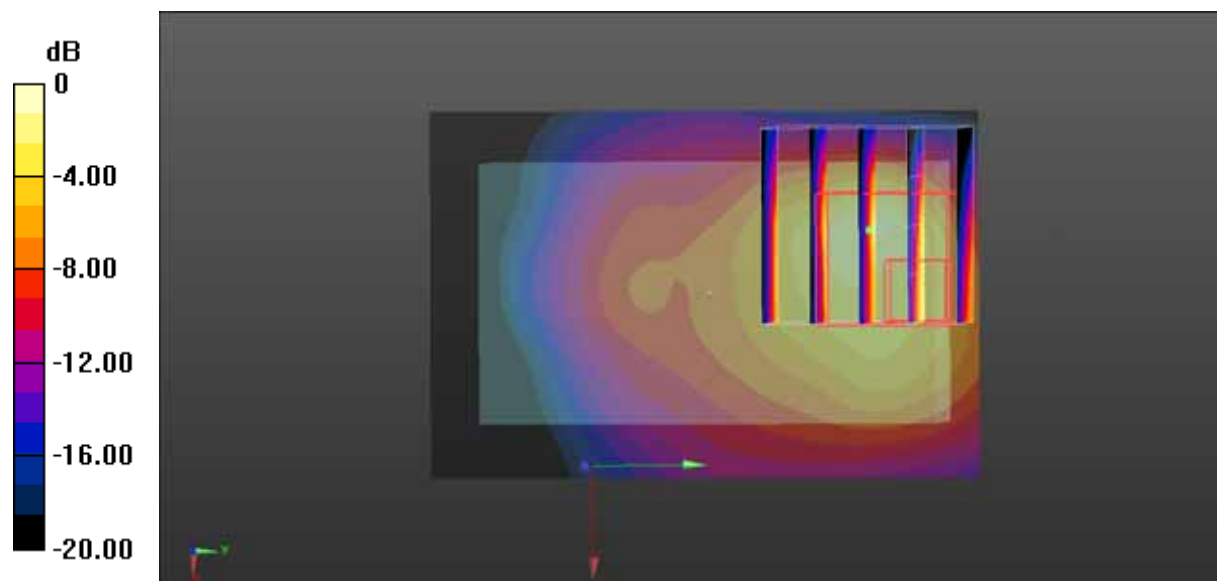Maximum value of SAR (interpolated) = 0.921 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.75 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.287 W/kg
Maximum value of SAR (measured) = 1.17 W/kg

0 dB = 1.17 W/kg = 0.68 dBW/kg

#45_LTE Band 2_20M_QPSK_3RB_0Offset_Front_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε_r = 55.368; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
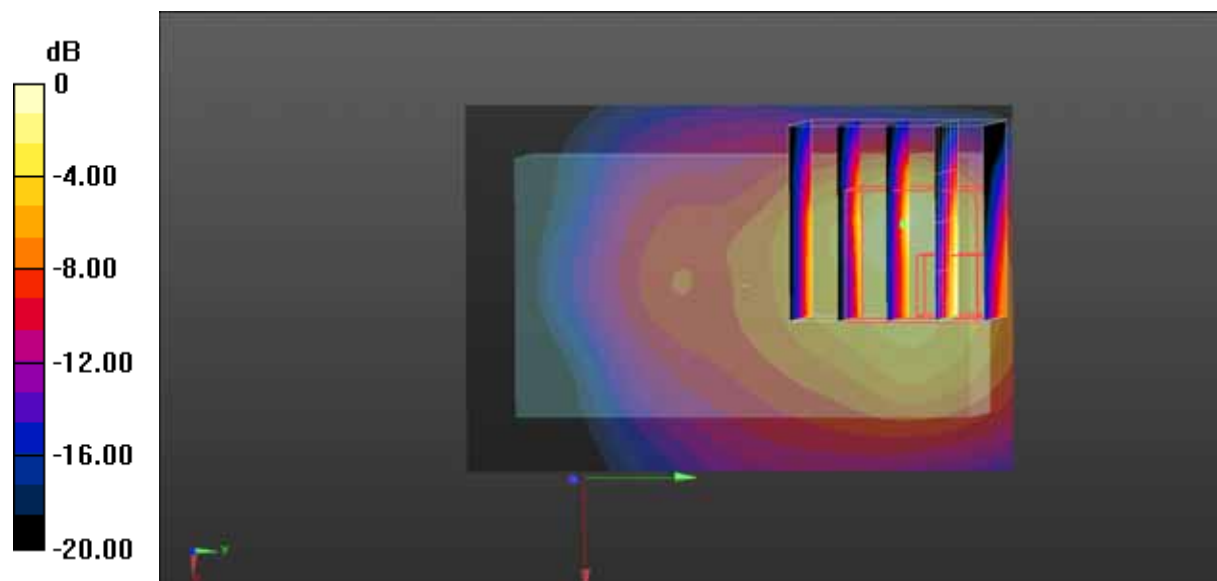Maximum value of SAR (interpolated) = 0.889 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.21 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 1.16 W/kg

0 dB = 1.16 W/kg = 0.64 dBW/kg

#46_LTE Band 2_20M_QPSK_1RB_0Offset_Back_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; εr = 55.368; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
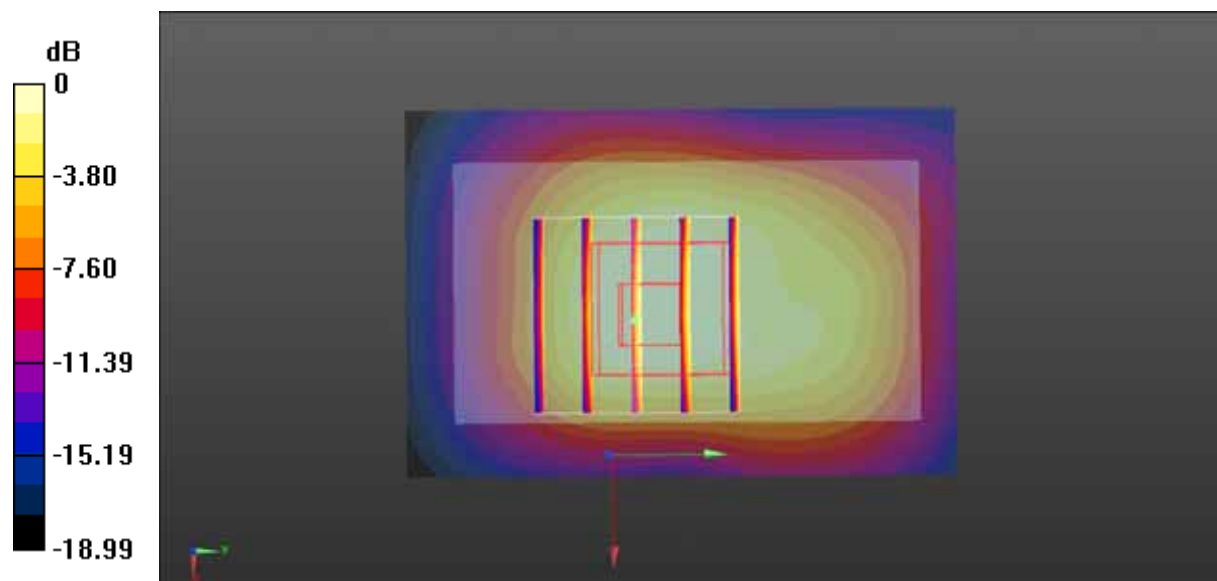Maximum value of SAR (interpolated) = 0.636 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.70 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.690 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.273 W/kg
Maximum value of SAR (measured) = 0.616 W/kg

0 dB = 0.616 W/kg = -2.10 dBW/kg

#47_LTE Band 2_20M_QPSK_3RB_0Offset_Back_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε$_r$ = 55.368; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
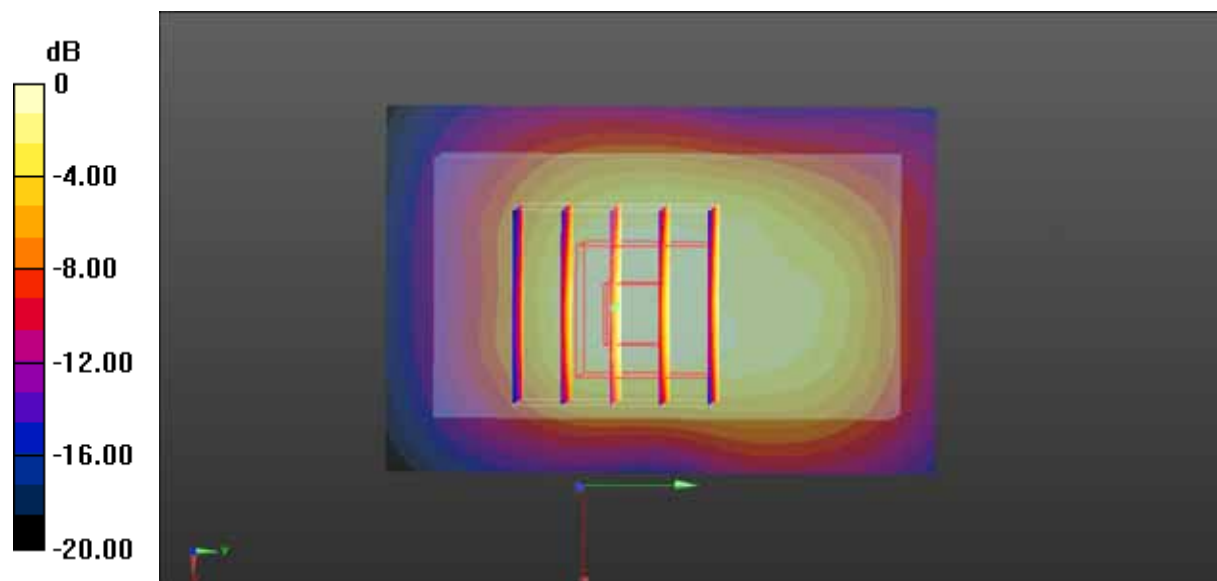Maximum value of SAR (interpolated) = 0.570 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.42 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.248 W/kg
Maximum value of SAR (measured) = 0.565 W/kg

0 dB = 0.565 W/kg = -2.48 dBW/kg

#48_LTE Band 2_20M_QPSK_1RB_0Offset_Left Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε_r = 55.368; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
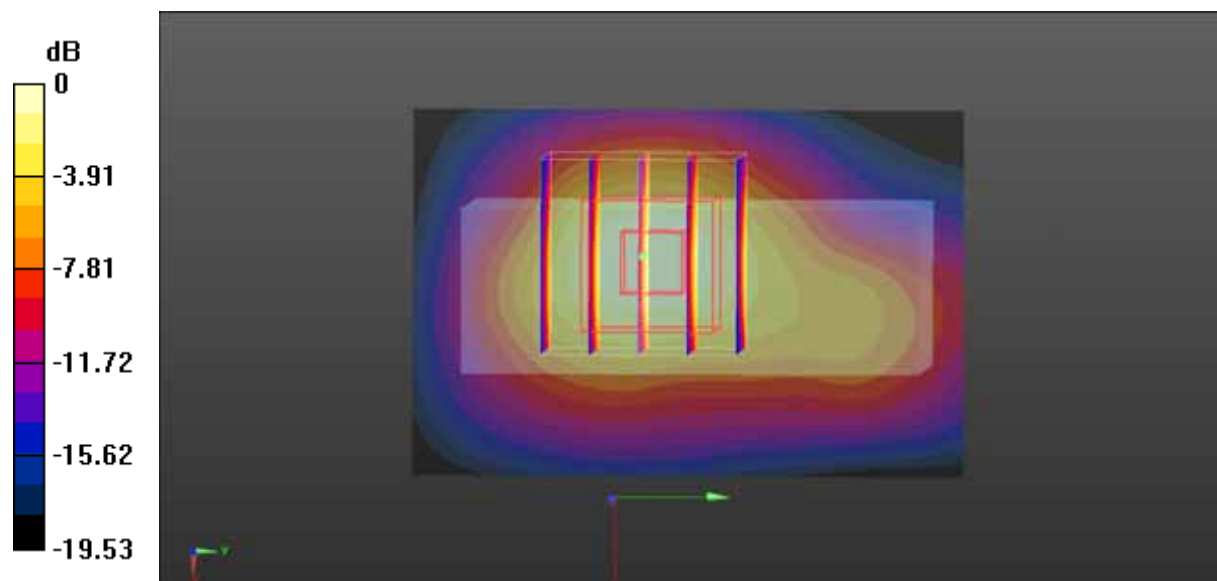Maximum value of SAR (interpolated) = 0.965 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.16 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.338 W/kg
Maximum value of SAR (measured) = 0.870 W/kg

0 dB = 0.870 W/kg = -0.60 dBW/kg

#49_LTE Band 2_20M_QPSK_3RB_0Offset_Left Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε$_r$ = 55.368; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
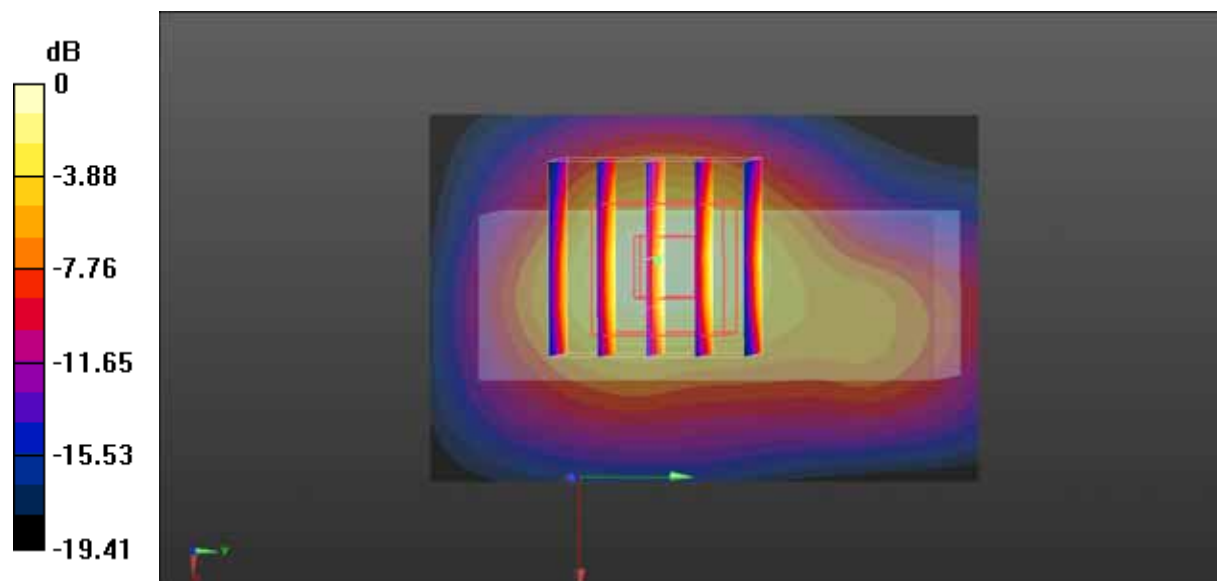Maximum value of SAR (interpolated) = 0.900 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.34 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.313 W/kg
Maximum value of SAR (measured) = 0.829 W/kg

0 dB = 0.829 W/kg = -0.81 dBW/kg

#50_LTE Band 2_20M_QPSK_1RB_0Offset_Right Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε_r = 55.368; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
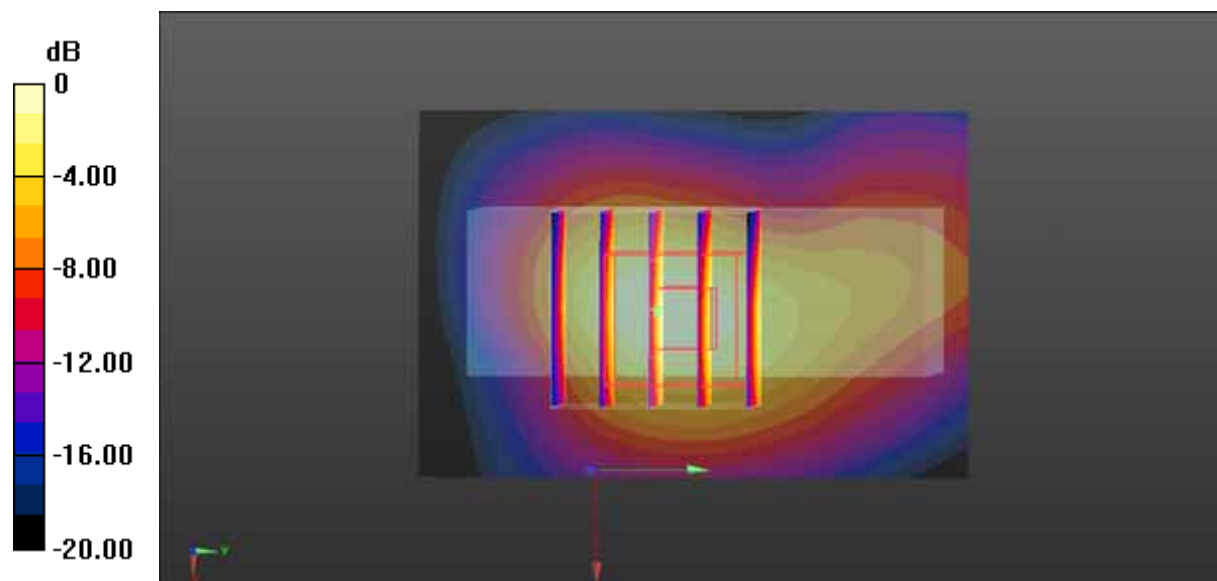Maximum value of SAR (interpolated) = 0.949 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.68 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.933 W/kg

0 dB = 0.933 W/kg = -0.30 dBW/kg

#51_LTE Band 2_20M_QPSK_3RB_0Offset_Right Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε_r = 55.368; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
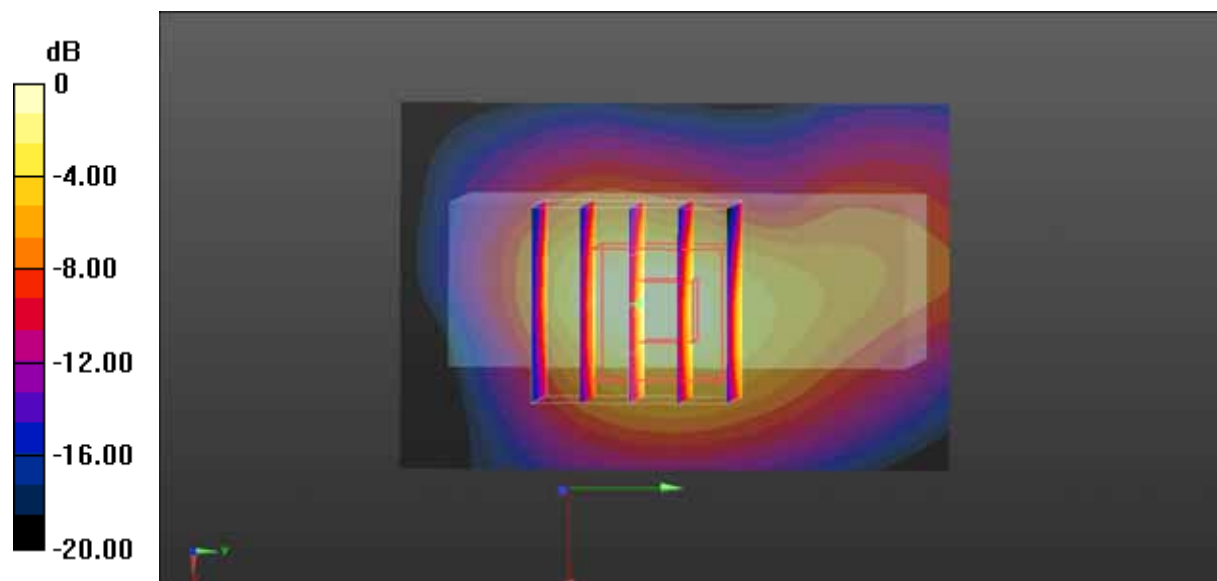Maximum value of SAR (interpolated) = 0.899 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.94 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.332 W/kg
Maximum value of SAR (measured) = 0.907 W/kg

0 dB = 0.907 W/kg = -0.42 dBW/kg

#52_LTE Band 2_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; ε_r = 55.368; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
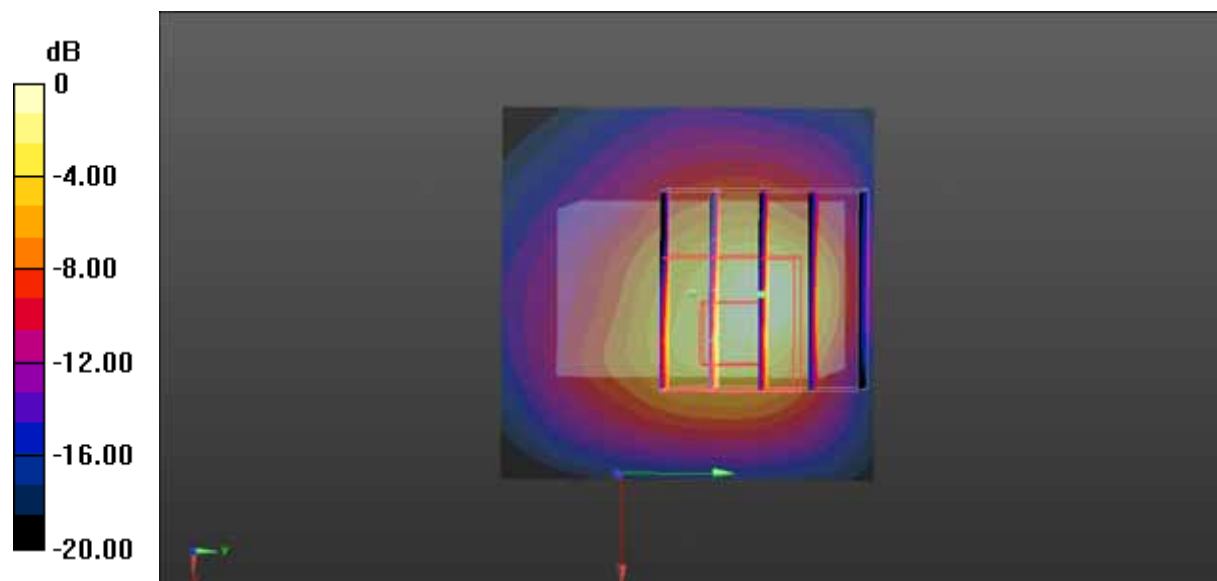Maximum value of SAR (interpolated) = 0.909 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.57 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.788 W/kg

0 dB = 0.788 W/kg = -1.03 dBW/kg

#53_LTE Band 2_20M_QPSK_3RB_0Offset_Top Side_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.531 S/m; εr = 55.368; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18900/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
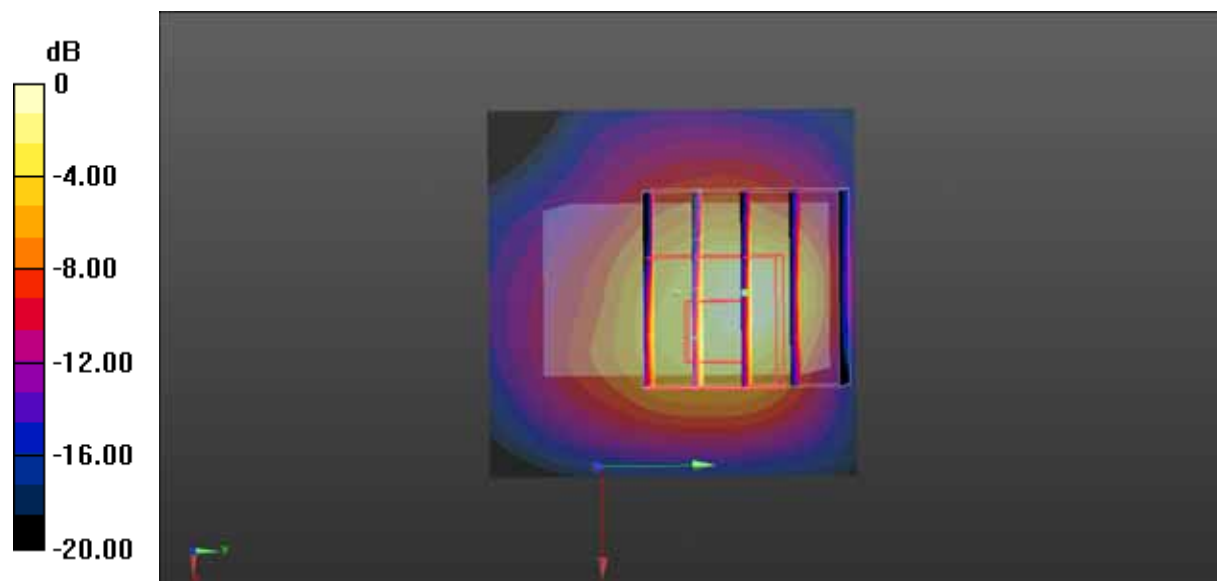Maximum value of SAR (interpolated) = 0.848 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.22 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.950 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 0.750 W/kg

0 dB = 0.750 W/kg = -1.25 dBW/kg

#54_LTE Band 2_20M_QPSK_1RB_0Offset_Right Side_0mm_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1860 MHz; σ = 1.51 S/m; ε$_r$ = 55.449; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18700/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
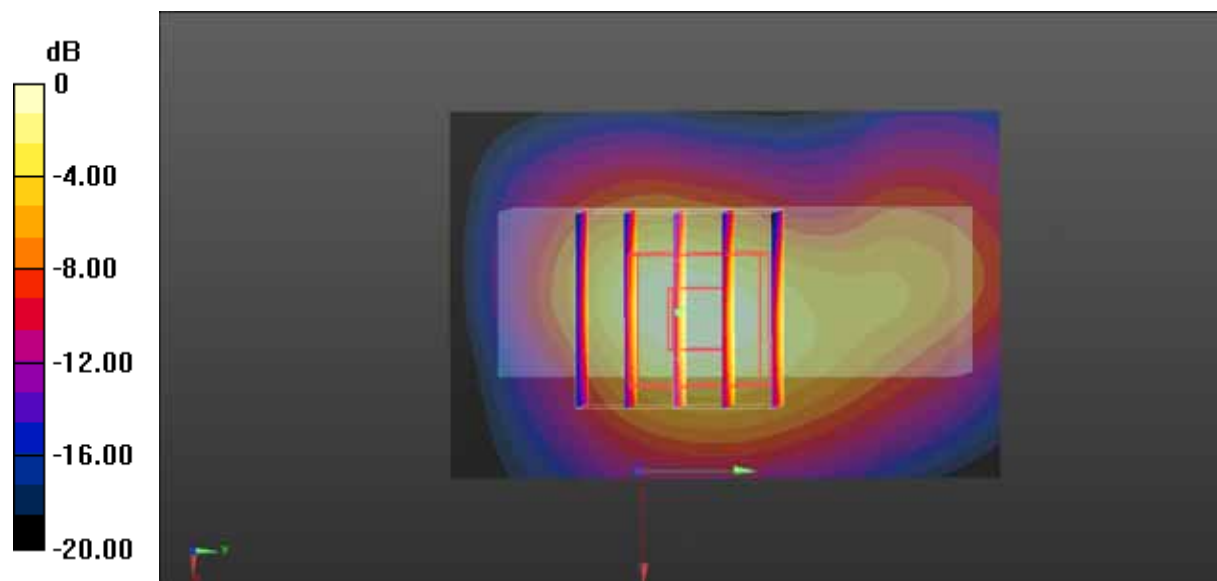Maximum value of SAR (interpolated) = 1.09 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.95 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 1.05 W/kg

0 dB = 1.05 W/kg = 0.21 dBW/kg

#55_LTE Band 2_20M_QPSK_3RB_0Offset_Right Side_0mm_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1860 MHz; σ = 1.51 S/m; ε_r = 55.449; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch18700/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
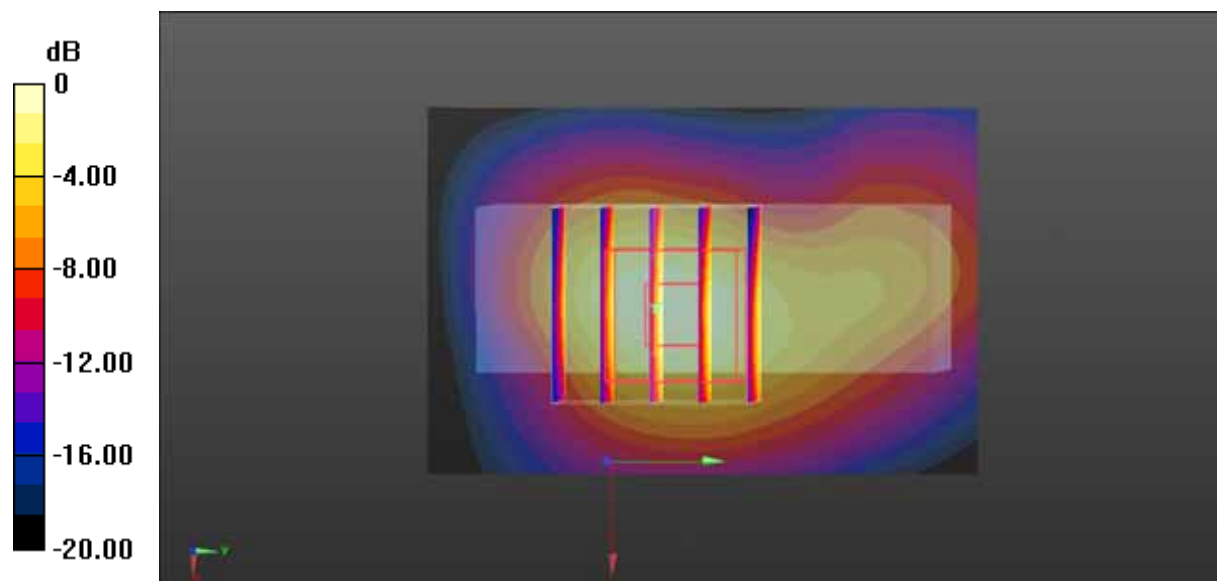Maximum value of SAR (interpolated) = 1.02 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.03 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.370 W/kg
Maximum value of SAR (measured) = 0.997 W/kg

0 dB = 0.997 W/kg = -0.01 dBW/kg

#56_LTE Band 2_20M_QPSK_1RB_0Offset_Right Side_0mm_Ch19100

Communication System: LTE; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1900 MHz; σ = 1.552 S/m; ε_r = 55.297; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch19100/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
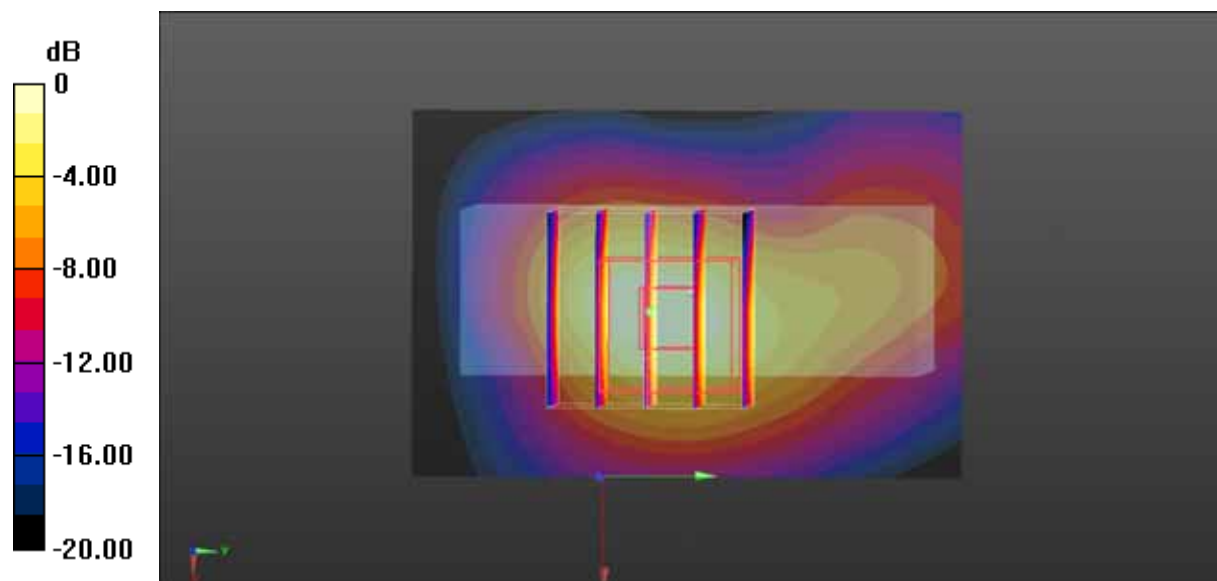Maximum value of SAR (interpolated) = 0.983 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.86 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.955 W/kg

0 dB = 0.955 W/kg = -0.20 dBW/kg

#57_LTE Band 2_20M_QPSK_3RB_0Offset_Right Side_0mm_Ch19100

Communication System: LTE; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1900 MHz; σ = 1.552 S/m; ε$_r$ = 55.297; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.84, 7.84, 7.84); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch19100/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
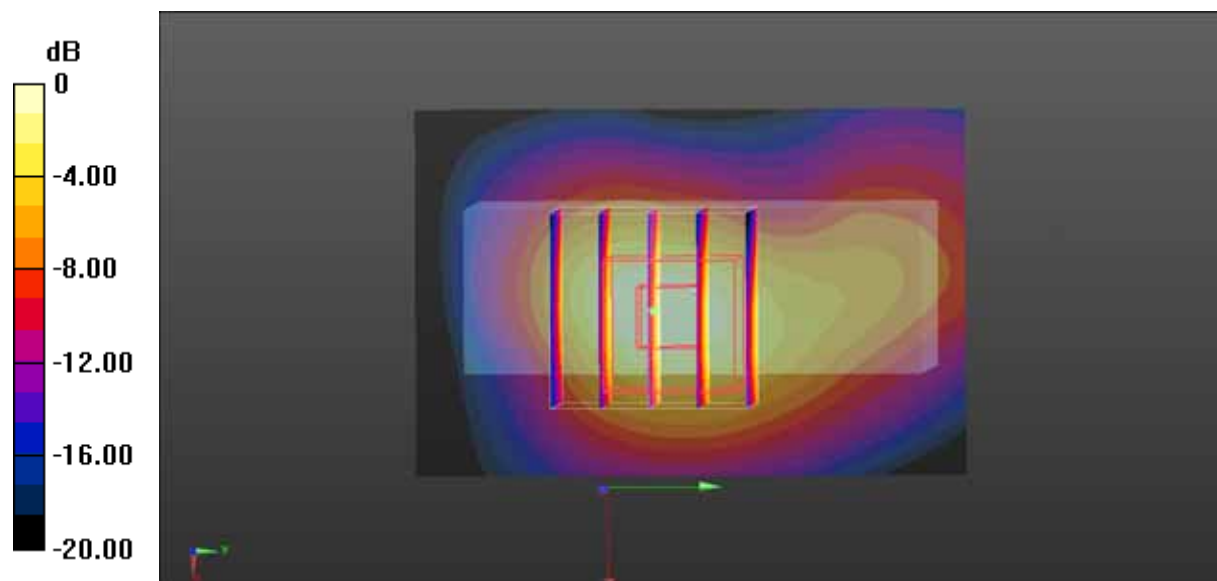Maximum value of SAR (interpolated) = 0.913 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.09 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.322 W/kg
Maximum value of SAR (measured) = 0.888 W/kg

0 dB = 0.888 W/kg = -0.52 dBW/kg

#58_WLAN2.4GHz_802.11b 1Mbps_Front_0mm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.958 S/m; ε$_r$ = 53.141; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
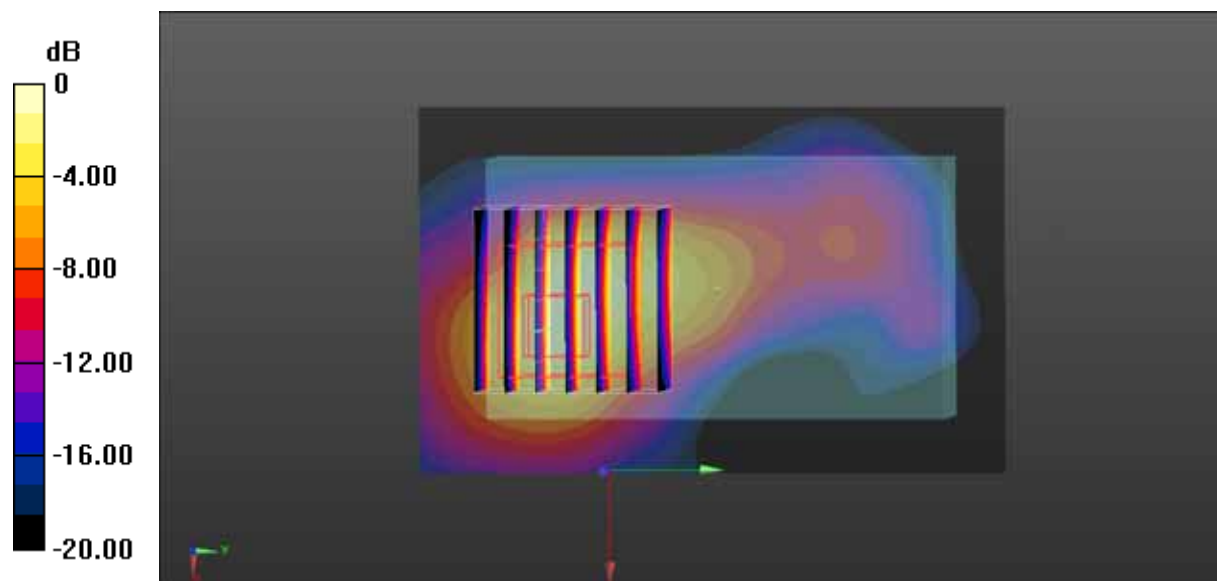Maximum value of SAR (interpolated) = 0.746 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.47 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.877 W/kg
SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.176 W/kg
Maximum value of SAR (measured) = 0.683 W/kg

0 dB = 0.683 W/kg = -1.66 dBW/kg

#59_WLAN2.4GHz_802.11b 1Mbps_Back_0mm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.958 S/m; ε$_r$ = 53.141; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
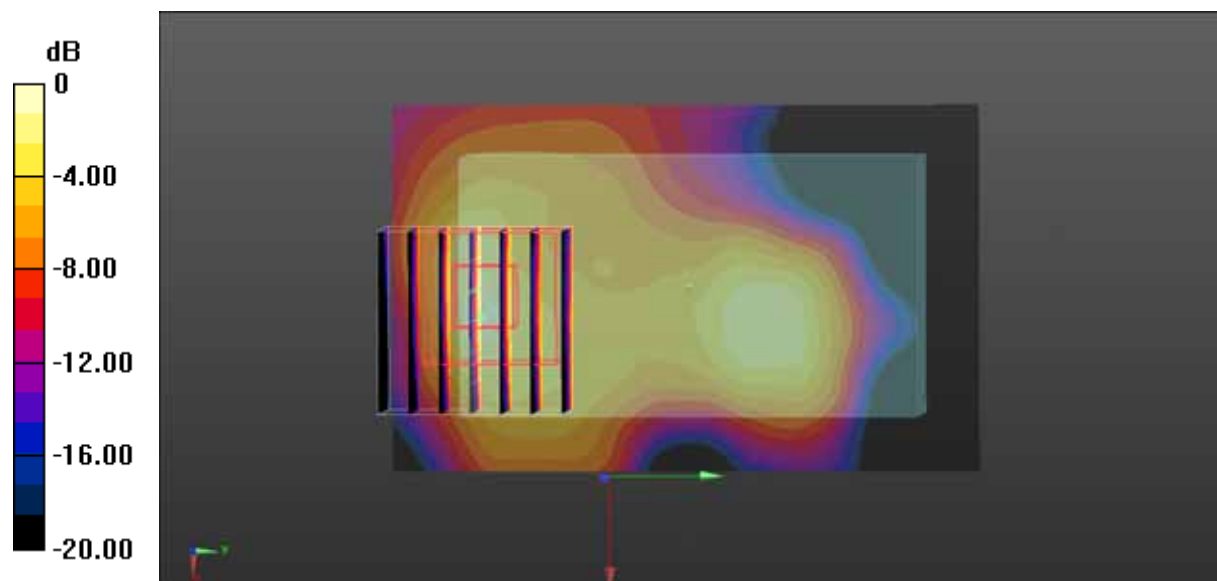Maximum value of SAR (interpolated) = 0.109 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.071 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.154 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.126 W/kg

0 dB = 0.126 W/kg = -9.00 dBW/kg

#60_WLAN2.4GHz_802.11b 1Mbps_Left Side_0mm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.958 S/m; ε_r = 53.141; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
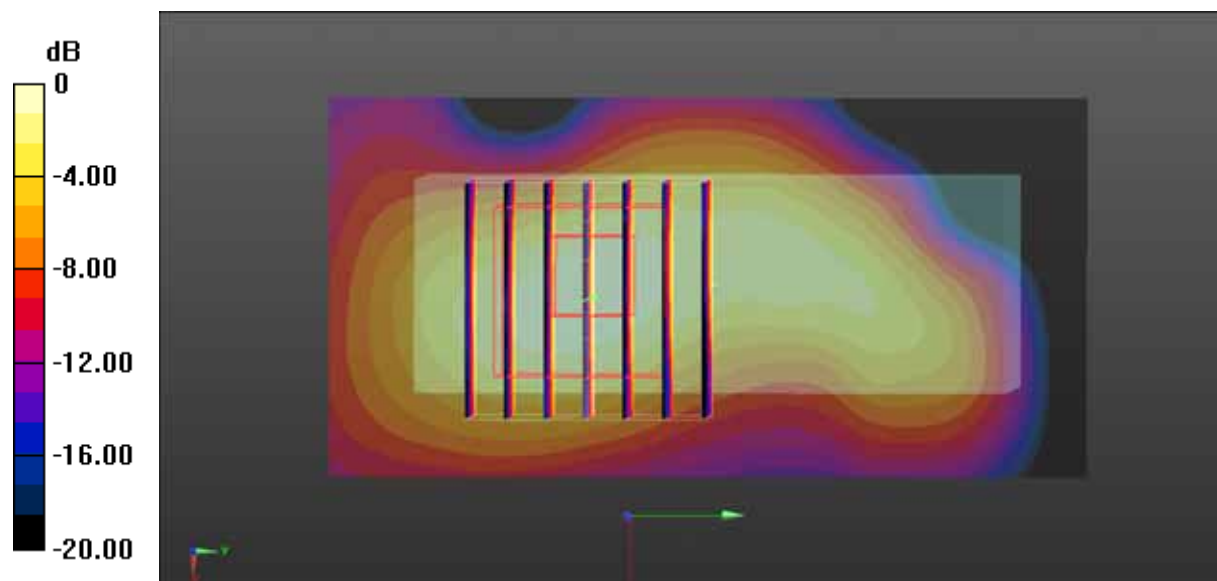Maximum value of SAR (interpolated) = 0.137 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.534 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.037 W/kg
Maximum value of SAR (measured) = 0.138 W/kg

0 dB = 0.138 W/kg = -8.60 dBW/kg

#61_WLAN2.4GHz_802.11b 1Mbps_Right Side_0mm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.958 S/m; ε_r = 53.141; ρ = 1000 kg/m³

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
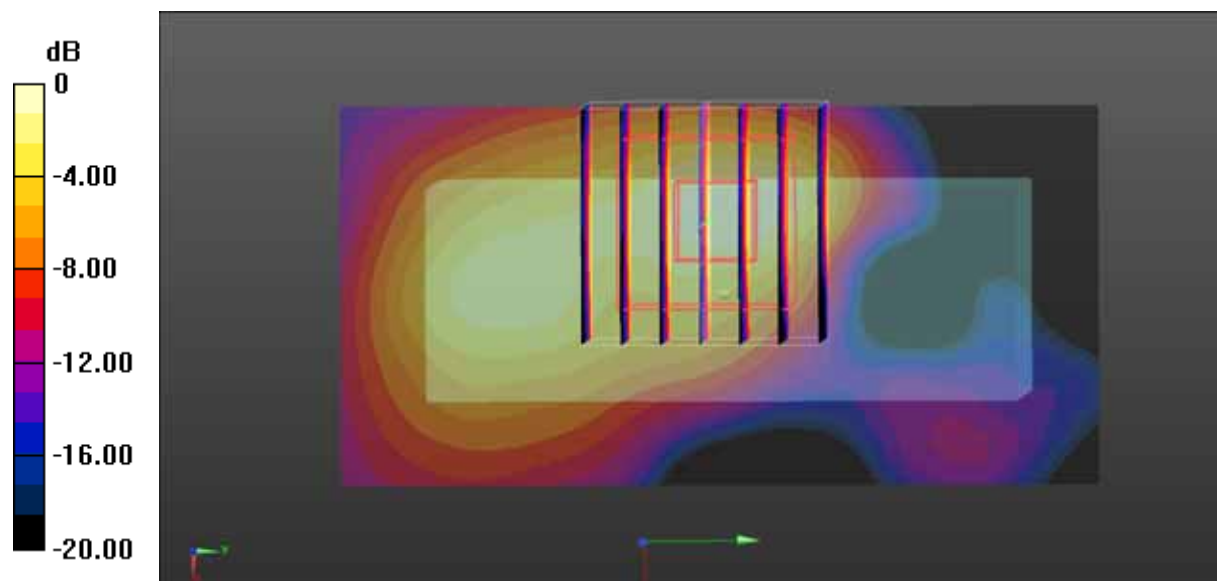Maximum value of SAR (interpolated) = 0.136 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.719 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.150 W/kg

0 dB = 0.150 W/kg = -8.24 dBW/kg

#62_WLAN2.4GHz_802.11b 1Mbps_Bottom Side_0mm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.958 S/m; ε_r = 53.141; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch6/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
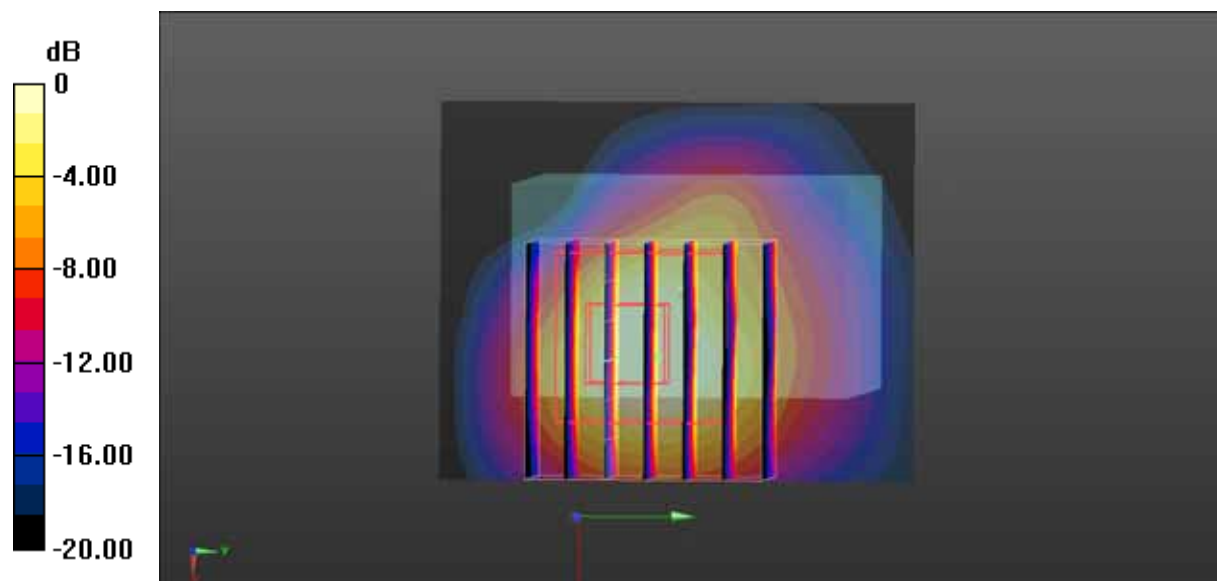Maximum value of SAR (interpolated) = 1.05 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.13 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.189 W/kg
Maximum value of SAR (measured) = 0.805 W/kg

0 dB = 0.805 W/kg = -0.94 dBW/kg

#63_WLAN2.4GHz_802.11b 1Mbps_Bottom Side_0mm_Ch1

Communication System: 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.924 S/m; ε$_r$ = 53.238; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch1/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

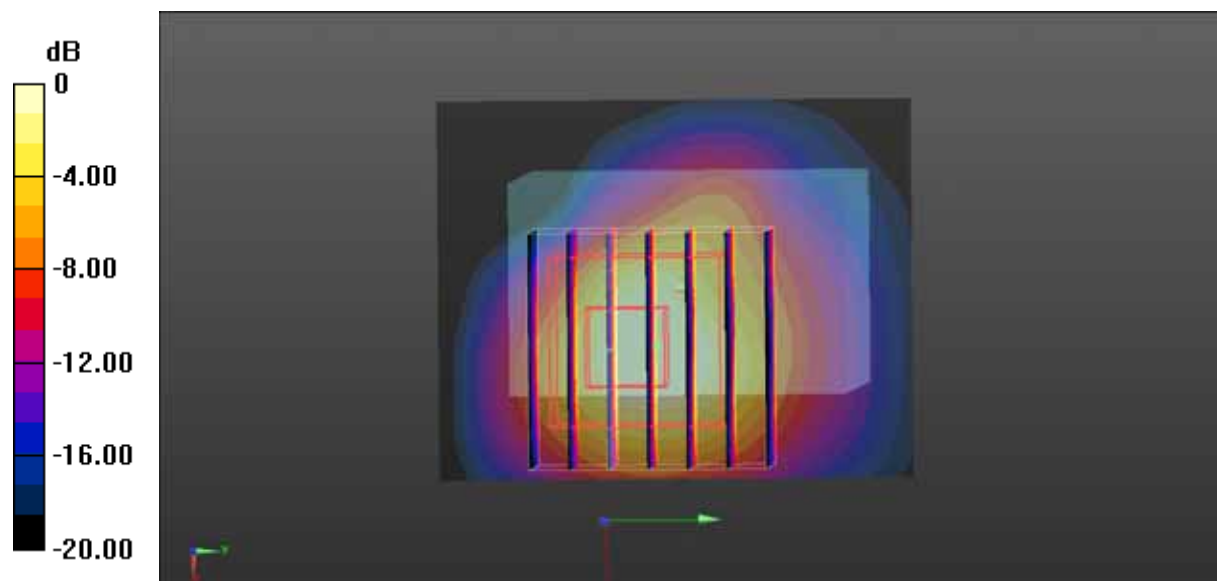**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.71 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 0.812 W/kg

0 dB = 0.812 W/kg = -0.90 dBW/kg

#64_WLAN2.4GHz_802.11b 1Mbps_Bottom Side_0mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.991 S/m; εr = 53.042; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.48, 7.48, 7.48); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

Ch1/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.993 W/kg

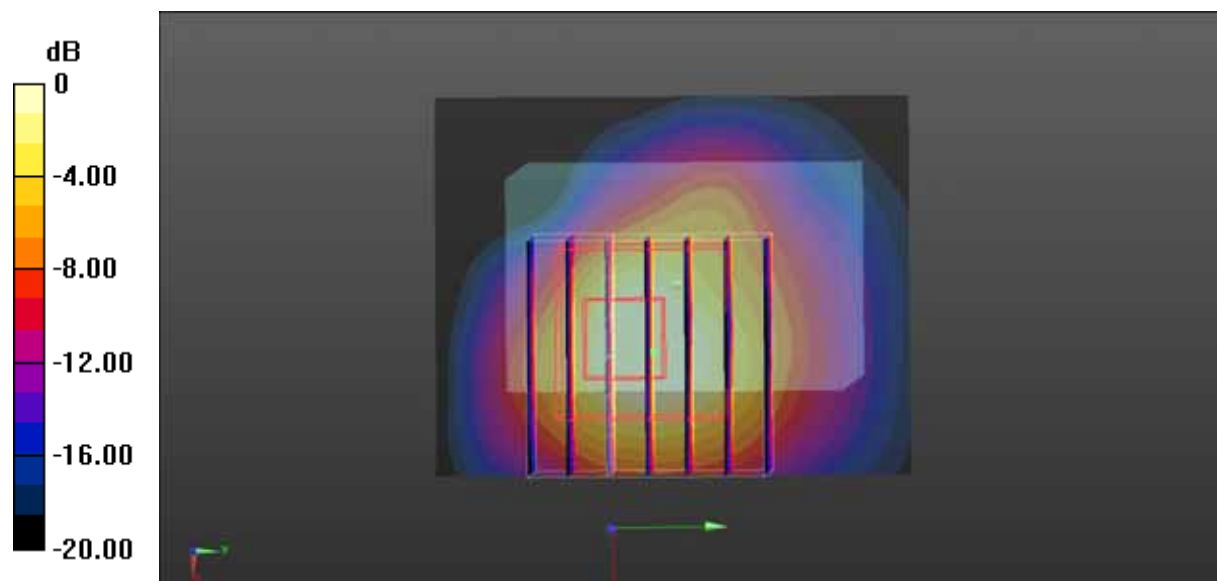**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.69 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 0.784 W/kg

0 dB = 0.784 W/kg = -1.06 dBW/kg