

0 dB = 0.230 W/kg = -6.38 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### **NEN-LX3 LTE Band 2 20M QPSK 1RB 50 Offset 18900CH Top Side 10mm with Battery2-Second Antenna**

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 38.141$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.03, 8.03, 8.03) @ 1880 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Head/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.384 W/kg

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

Reference Value = 16.51 V/m; Power Drift = 0.18 dB

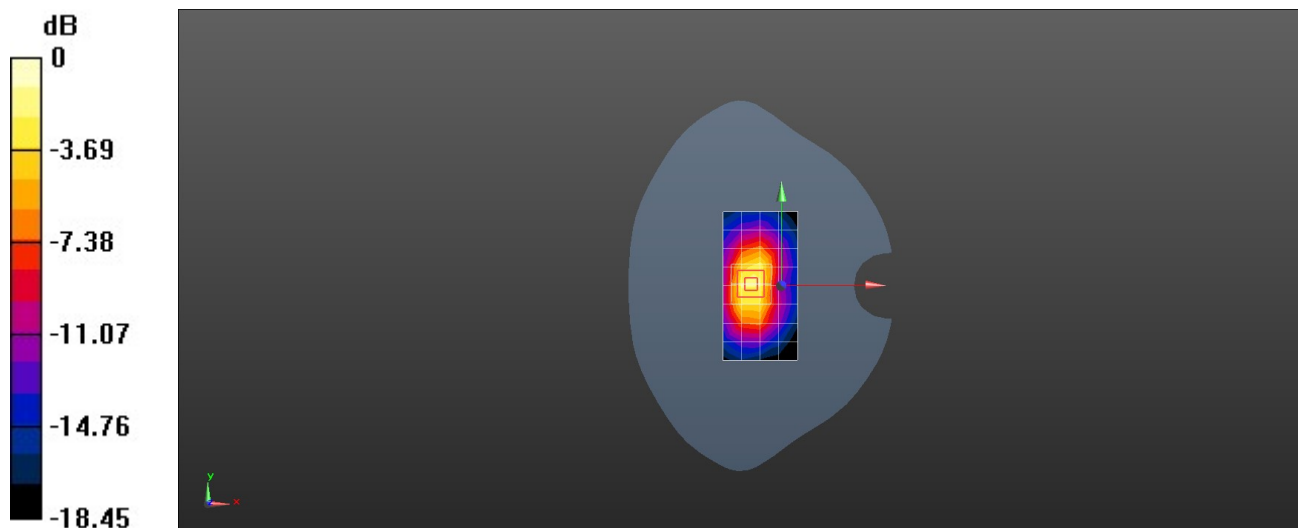
Peak SAR (extrapolated) = 0.763 W/kg

**SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.208 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## NEN-LX3 LTE Band 2 20M QPSK 1RB 0 Offset 18900CH Bottom Side 10mm-Main Antenna

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 38.141$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.03, 8.03, 8.03) @ 1880 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.704 W/kg

**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.98 V/m; Power Drift = -0.12 dB

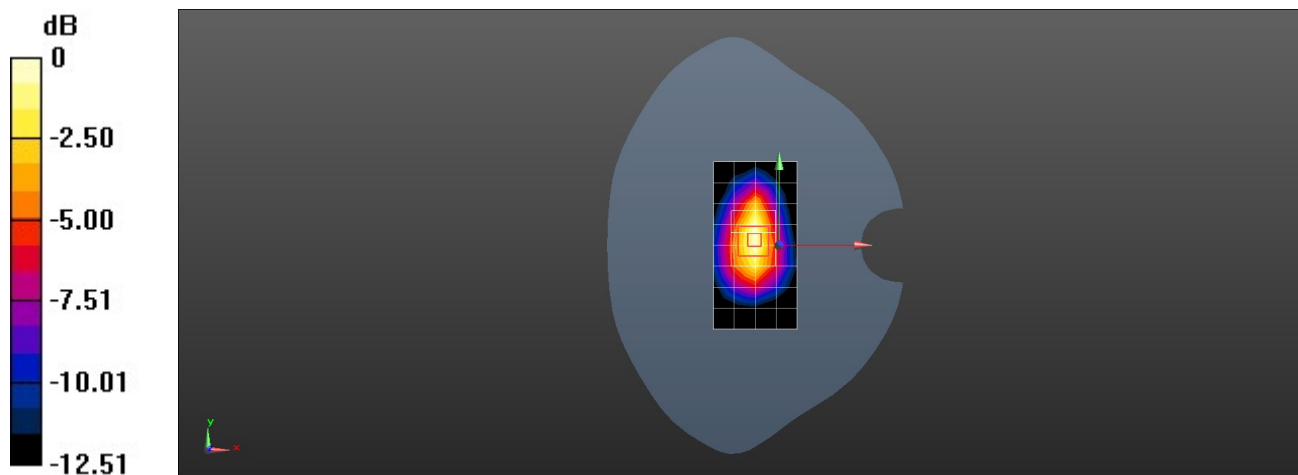
Peak SAR (extrapolated) = 0.865 W/kg

**SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.267 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 55.6%

Maximum value of SAR (measured) = 0.726 W/kg



0 dB = 0.726 W/kg = -1.39 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### **NEN-LX3 LTE Band 2 20M QPSK 1RB 0 Offset 18900CH Bottom Side 0mm with Battery2-Main Antenna**

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 38.141$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.03, 8.03, 8.03) @ 1880 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.79 W/kg

**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 42.17 V/m; Power Drift = 0.15 dB

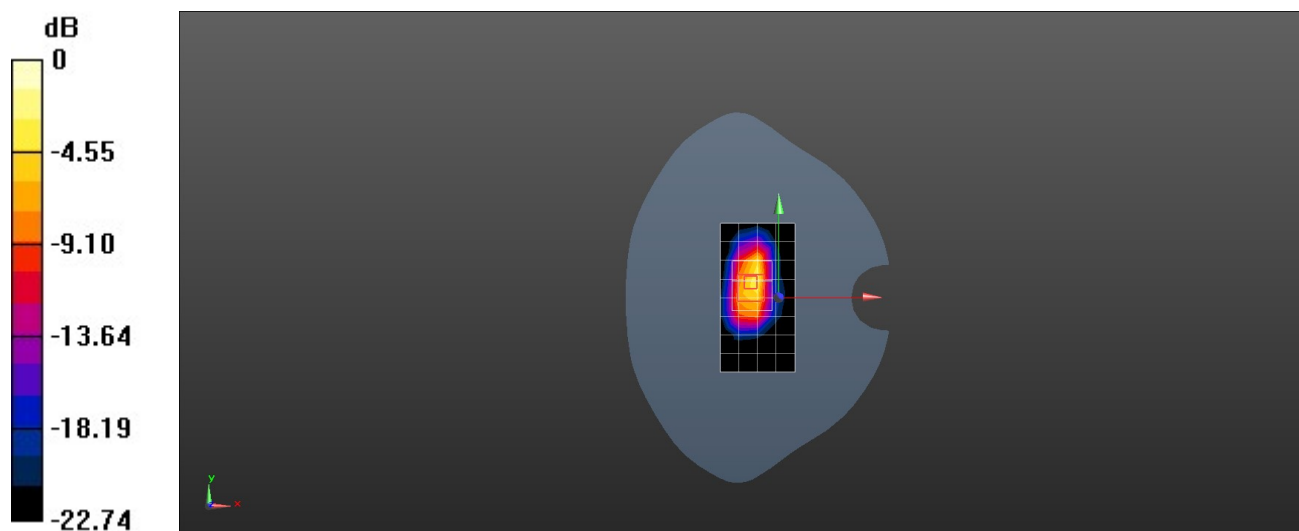
Peak SAR (extrapolated) = 9.13 W/kg

**SAR(1 g) = 3.2 W/kg; SAR(10 g) = 1.37 W/kg**

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 33.4%

Maximum value of SAR (measured) = 7.32 W/kg



0 dB = 7.32 W/kg = 8.65 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## NEN-LX3 LTE Band 4 20M QPSK 1RB 50 Offset 20300CH Left Tilt with Battery2-Second Antenna

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.790 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.89 V/m; Power Drift = -0.02 dB

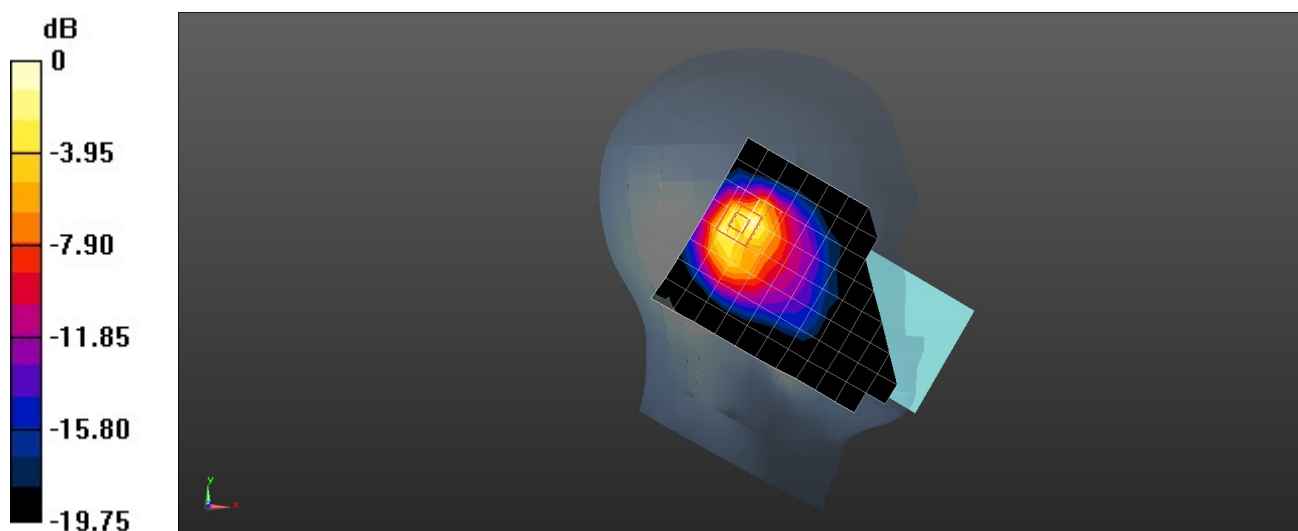
Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.298 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.6%

Maximum value of SAR (measured) = 0.965 W/kg



0 dB = 0.965 W/kg = -0.15 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## **NEN-LX3 LTE Band 4 20M QPSK 1RB 50 Offset 20300CH Left Cheek with Battery2-Main Antenna**

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.133 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.422 V/m; Power Drift = -0.7 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.07 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

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

Maximum value of SAR (measured) = 0.147 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.422 V/m; Power Drift = -0.67 dB

Peak SAR (extrapolated) = 0.121 W/kg

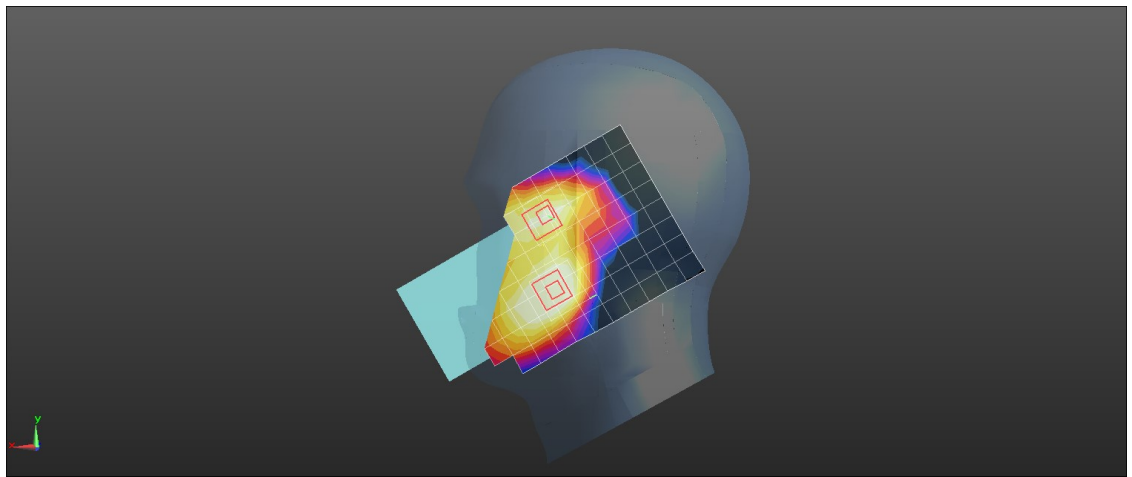
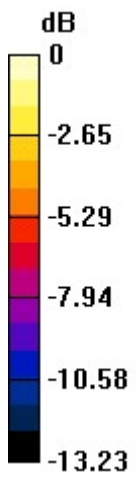
**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.050 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

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

Maximum value of SAR (measured) = 0.104 W/kg



0 dB = 0.104 W/kg = -9.83 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### NEN-LX3 LTE Band 4 20M QPSK 50%RB 0 Offset 20300CH Back Side 15mm with Battery2-Second Antenna

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.315 W/kg

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

Reference Value = 4.739 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.362 W/kg

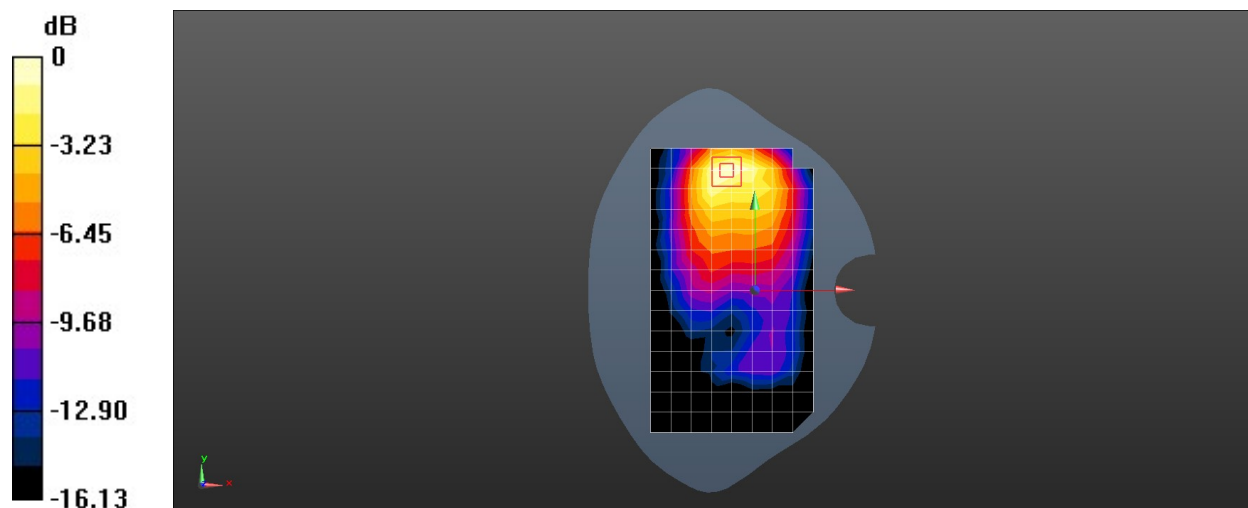
**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.127 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 62%

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

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg



Place of testing: HUAWEI SAR/HAC Lab

## **NEN-LX3 LTE Band 4 20M QPSK 1RB 50 Offset 20300CH Back Side 15mm with Battery2-Main Antenna**

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.357 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.636 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.480 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.178 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.3%

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

Maximum value of SAR (measured) = 0.409 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.636 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.481 W/kg

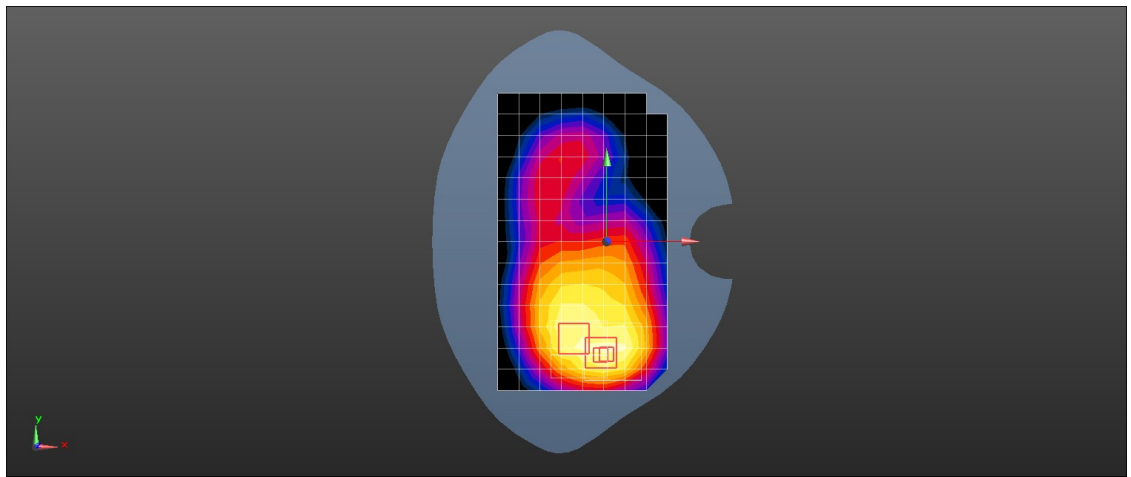
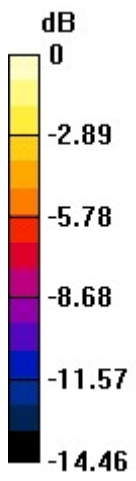
**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.177 W/kg**

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 61%

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

Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### NEN-LX3 LTE Band 4 20M QPSK 50%RB 0 Offset 20300CH Top Side 10mm with SIM2-Second Antenna

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.486 W/kg

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

Reference Value = 9.925 V/m; Power Drift = 0.4 dB

Peak SAR (extrapolated) = 0.588 W/kg

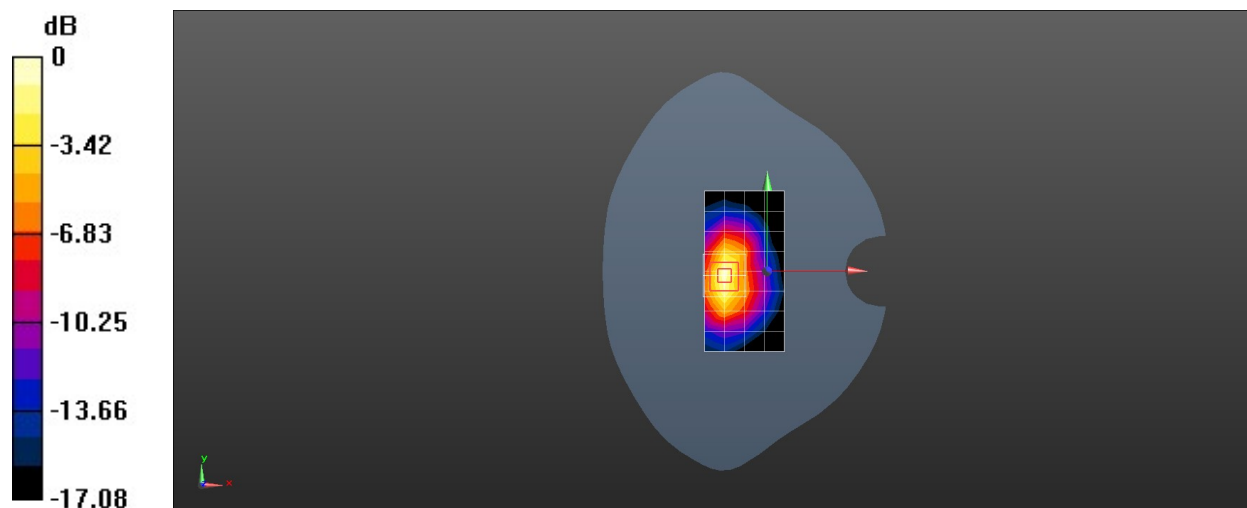
**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.172 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 58.1%

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

Maximum value of SAR (measured) = 0.503 W/kg



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

Place of testing: HUAWEI SAR/HAC Lab

### **NEN-LX3 LTE Band 4 20M QPSK 1RB 50 Offset 20300CH Bottom Side 10mm- Main Antenna**

**DUT: NEN-LX3; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(8.31, 8.31, 8.31) @ 1745 MHz; Calibrated: 2020-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2020-07-29
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.652 W/kg

**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.37 V/m; Power Drift = 0.09 dB

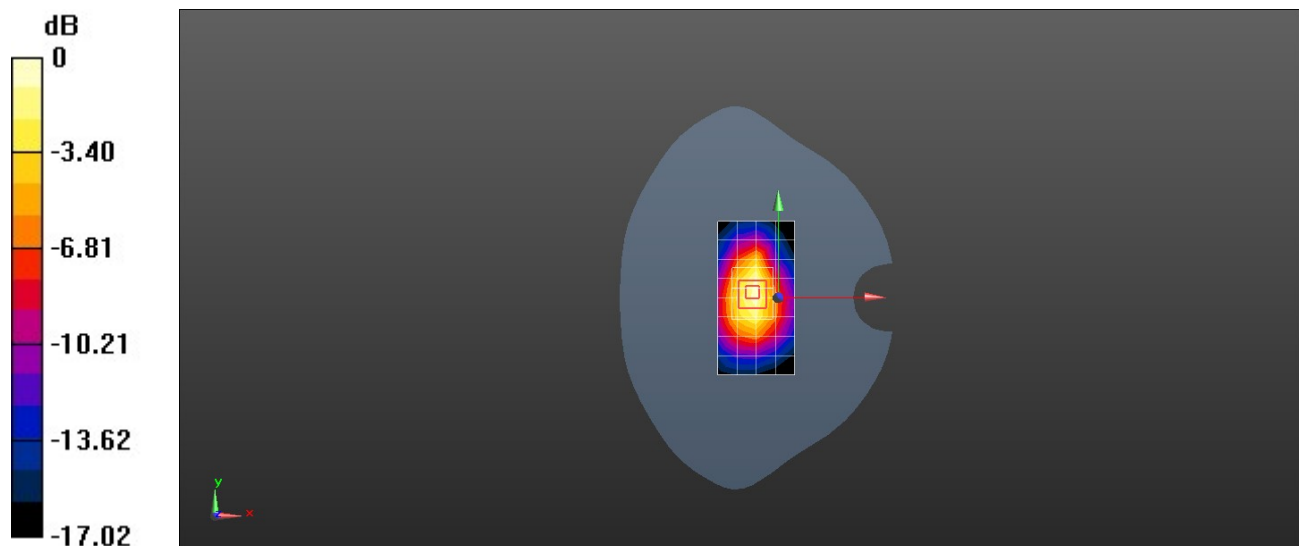
Peak SAR (extrapolated) = 0.846 W/kg

**SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.270 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 0.713 W/kg



0 dB = 0.713 W/kg = -1.47 dBW/kg