



Appendix B

Detailed Test Results

1. LTE
LTE Band 43 for Body
LTE Band 48 for Body
LTE Band 53 for Body

Test Laboratory: SGS-SAR Lab

SDF311-a LTE Band 43 20M QPSK 1RB99 45490CH Front side 5mm with Ant close

DUT: SDF311-a; Type: USB Dongle; Serial: DF311a02203700001

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3790 MHz; Duty Cycle: 1:1.58

Medium: HSL3700; Medium parameters used: $f = 3790$ MHz; $\sigma = 3.135$ S/m; $\epsilon_r = 36.774$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(6.67,6.67,6.67); Calibrated: 2020-04-01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.38 W/kg

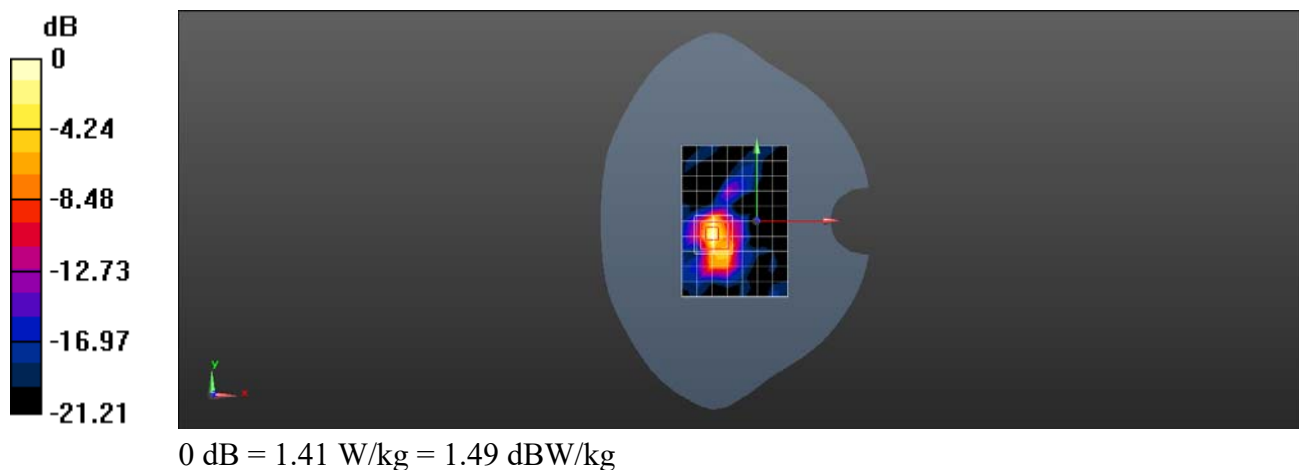
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.785 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.270 W/kg

Maximum value of SAR (measured) = 1.41 W/kg



Test Laboratory: SGS-SAR Lab

SDF311-a LTE Band 48 20M QPSK 1RB99 55773CH Back side 5mm with Ant Open 180°

DUT: SDF311-a; Type: USB Dongle; Serial: DF311a02203700001

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3603.33 MHz; Duty Cycle: 1:1.58

Medium: HSL3700; Medium parameters used (interpolated): $f = 3603.33$ MHz; $\sigma = 3.112$ S/m; $\epsilon_r =$

38.295 ; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(6.67, 6.67, 6.67); Calibrated: 2020-04-01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.435 W/kg

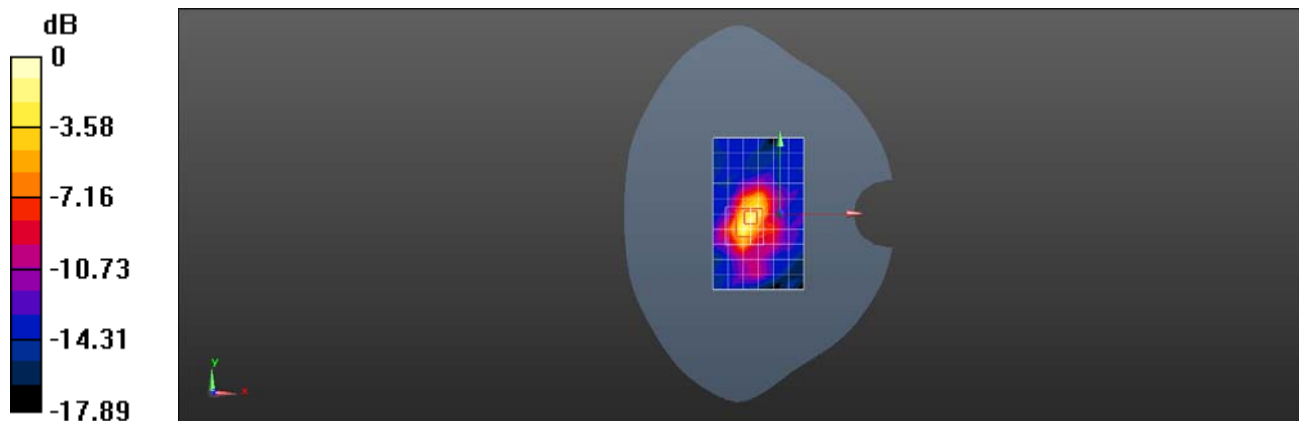
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.030 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg = -2.43 dBW/kg

Test Laboratory: SGS-SAR Lab

SDF311-a LTE Band 53 10M QPSK 1RB25 60205CH Back side 5mm with Ant Open 180°

DUT: SDF311-a; Type: USB Dongle; Serial: DF311a02203700001

Communication System: UID 0, LTE-TDD BW 10MHz (0); Frequency: 2490 MHz; Duty Cycle: 1:1.58

Medium: HSL2450; Medium parameters used: $f = 2490$ MHz; $\sigma = 1.842$ S/m; $\epsilon_r = 40.07$; $\rho = 1000$

kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.6, 7.6, 7.6); Calibrated: 2020-04-01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.03 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.09 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 1.23 W/kg

