

Appendix B

Detailed Test Results

1. LTE
LTE Band 25 for Body
LTE Band 26 for Body
LTE Band 41 for Body
2. WIFI
WIFI 2.4G for Body

Test Laboratory: SGS-SAR Lab

cp3111A LTE Band 25 20M QPSK 1RB50 26140CH Front side 0mm

DUT: cp311A; Type: Tracker; Serial: 868008040010138

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 52.759$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: ELI V5.0; Type: ELI; Serial: 1123
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.107 W/kg

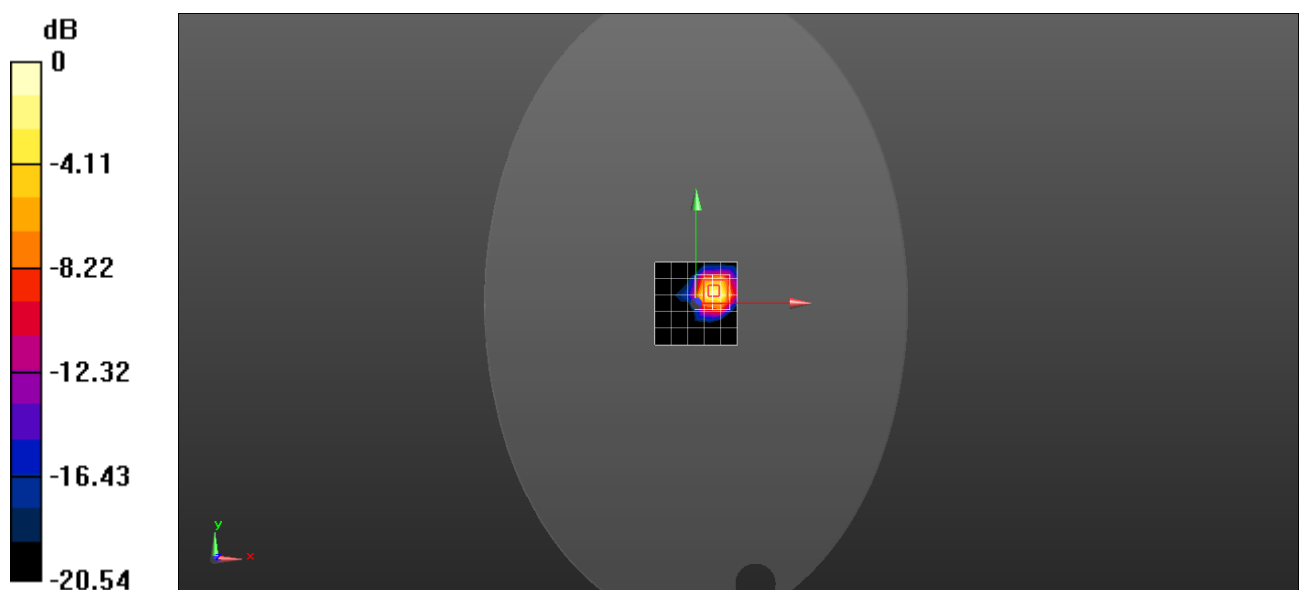
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.113 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



Test Laboratory: SGS-SAR Lab

cp3111A LTE Band 26 15M QPSK 36RB18 26965CH Front side 0mm

DUT: cp311A; Type: Tracker; Serial: 868008040011342

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r =$

53.087; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.84, 8.84, 8.84); Calibrated: 2018-02-08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.282 W/kg

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

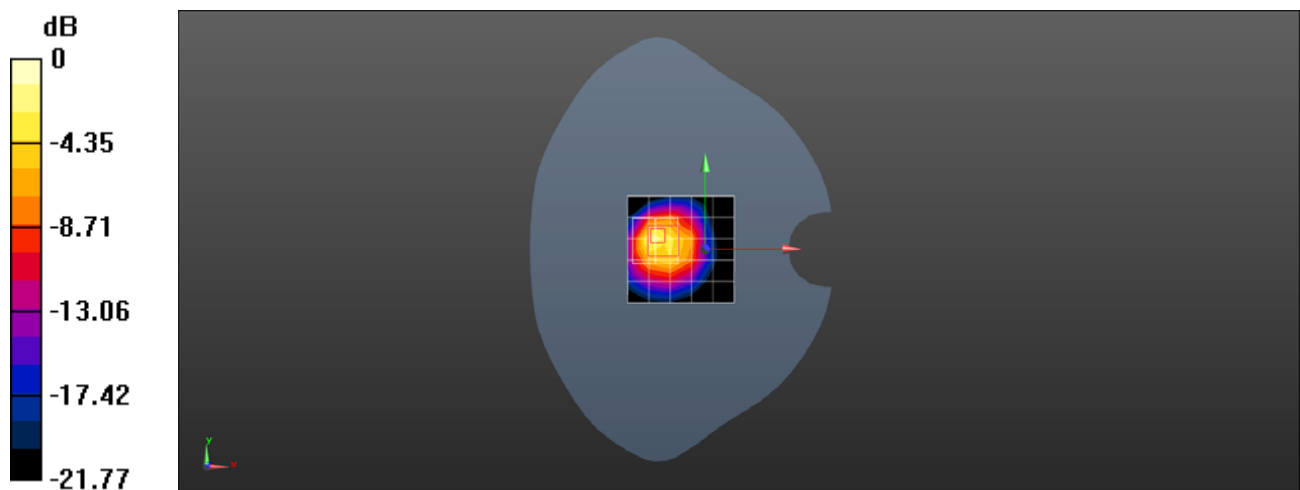
Reference Value = 10.54 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.682 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.090 W/kg

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

Maximum value of SAR (measured) = 0.406 W/kg



0 dB = 0.406 W/kg = -3.91 dBW/kg

Test Laboratory: SGS-SAR Lab

cp3111A LTE Band 41 20M QPSK 1RB50 41055CH Front side 0mm

DUT: cp3111A; Type: Tracker; Serial: 868008040010138

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.103$ S/m; $\epsilon_r = 51.03$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.96, 6.96, 6.96); Calibrated: 2018-02-08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 0.380 W/kg

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

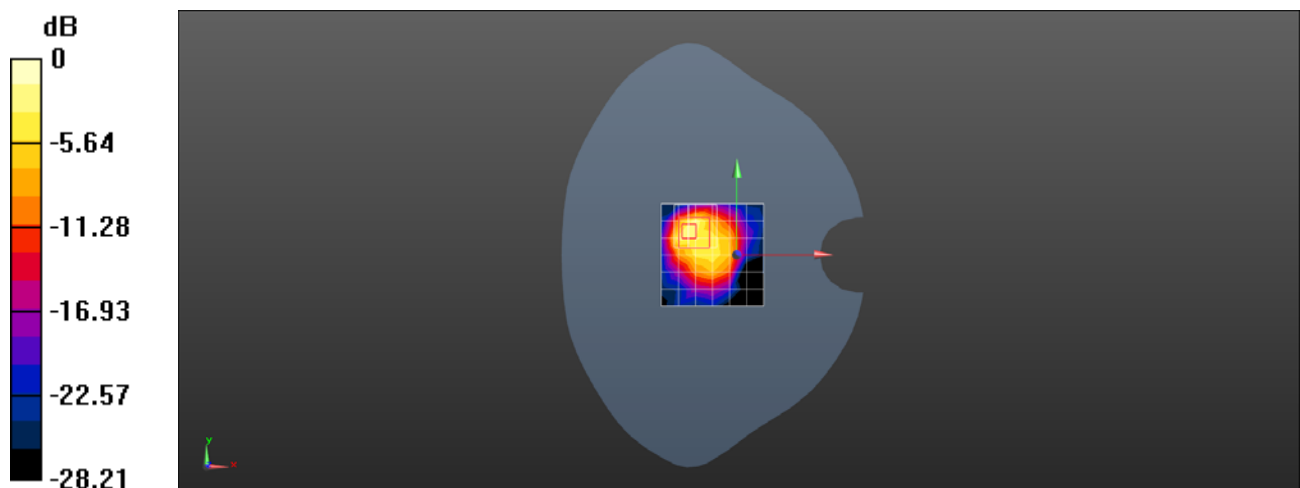
Reference Value = 9.726 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.121 W/kg

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

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

Test Laboratory: SGS-SAR Lab

cp3111A WIFI 802.11b 11CH Front side 0mm

DUT: cp311A; Type: Tracker; Serial: 868008040010138

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium: MSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.9$ S/m; $\epsilon_r = 51.466$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.35 W/kg

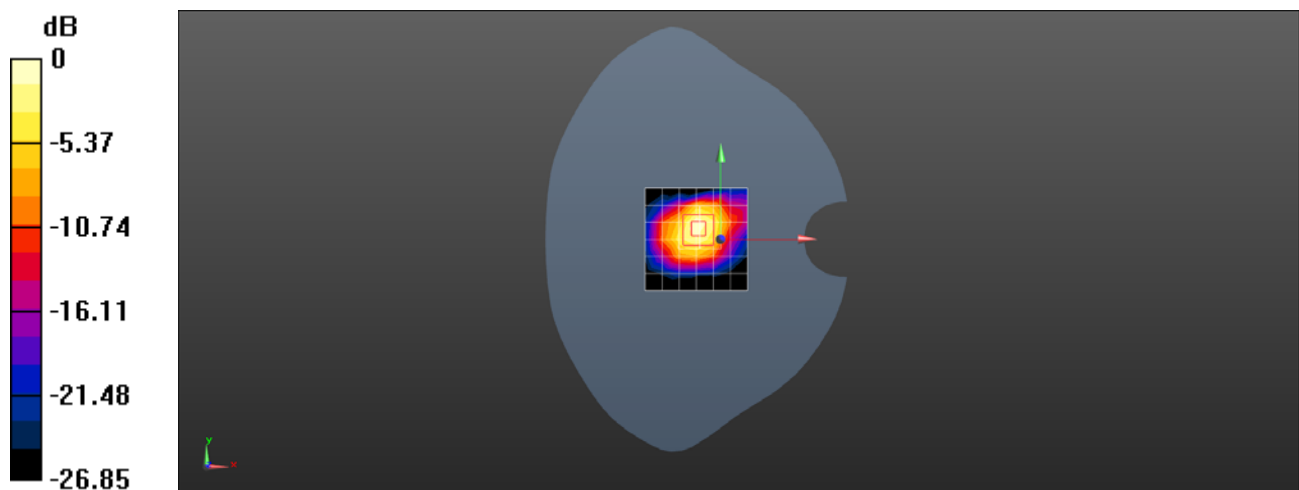
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.62 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.382 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg