

Appendix B

Detailed Test Results

1. WCDMA
WCDMA Band V for Body
2. LTE
LTE Band 5 for Body
LTE Band 12 for Body
LTE Band 17 for Body
3. WIFI
WIFI 2.4G for Body

Test Laboratory: SGS-SAR Lab

HW-01L WCDMA Band V RMC 4233CH Back side 13mm

DUT: HW-01L; Type: Mobile WiFi; Serial: 866665040007000

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used: $f = 847$ MHz; $\sigma = 0.988$ S/m; $\epsilon_r = 53.665$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.36, 10.36, 10.36); Calibrated: 2018/4/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018/1/17
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.732 W/kg

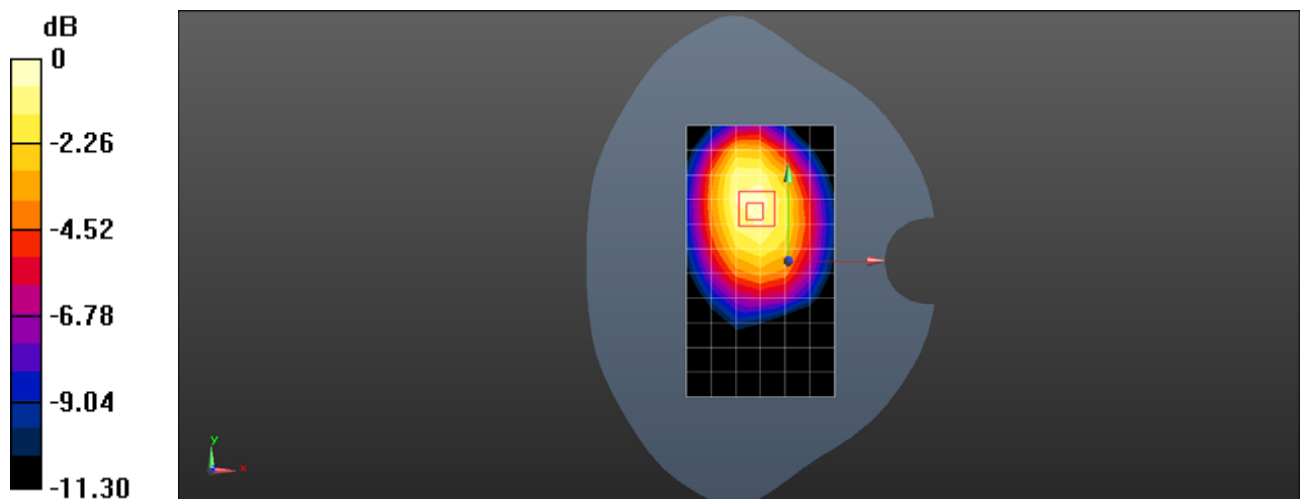
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.82 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.477 W/kg

Maximum value of SAR (measured) = 0.771 W/kg



Test Laboratory: SGS-SAR Lab

HW-01L LTE Band 5 10M QPSK 1RB25 20600CH Back side 13mm

DUT: HW-01L; Type: Mobile WiFi; Serial: 866665040007000

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.36, 10.36, 10.36); Calibrated: 2018/4/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018/1/17
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.805 W/kg

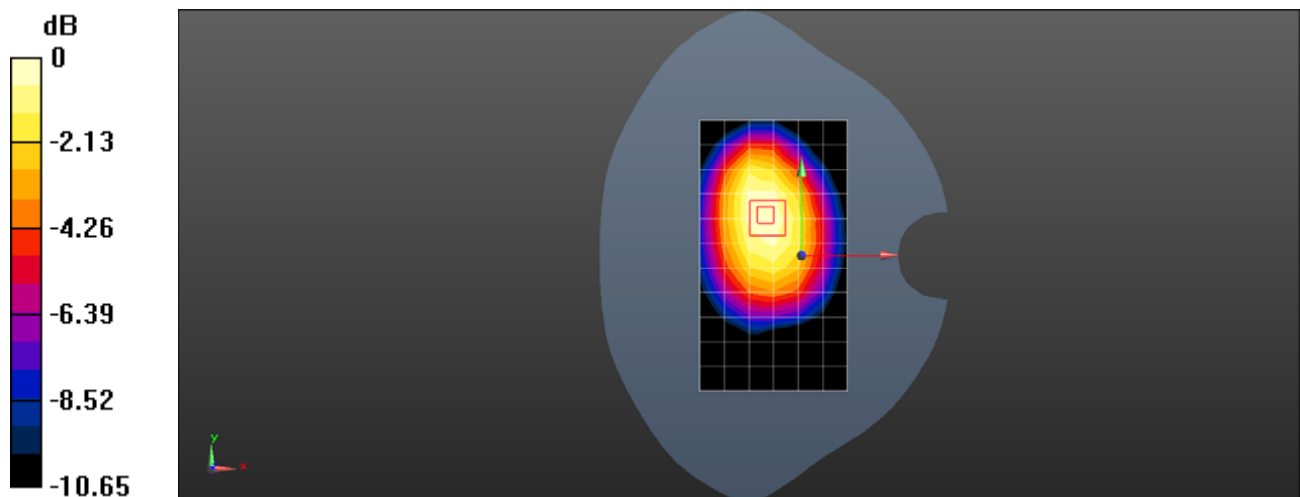
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.64 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.938 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.515 W/kg

Maximum value of SAR (measured) = 0.831 W/kg



0 dB = 0.831 W/kg = -0.80 dBW/kg

Test Laboratory: SGS-SAR Lab

HW-01L LTE Band 12 10M QPSK 1RB25 23130CH Back side 10mm

DUT: HW-01L; Type: Mobile WiFi; Serial: 866665040007000

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 54.28$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.69, 10.69, 10.69); Calibrated: 2018/4/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018/1/17
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.623 W/kg

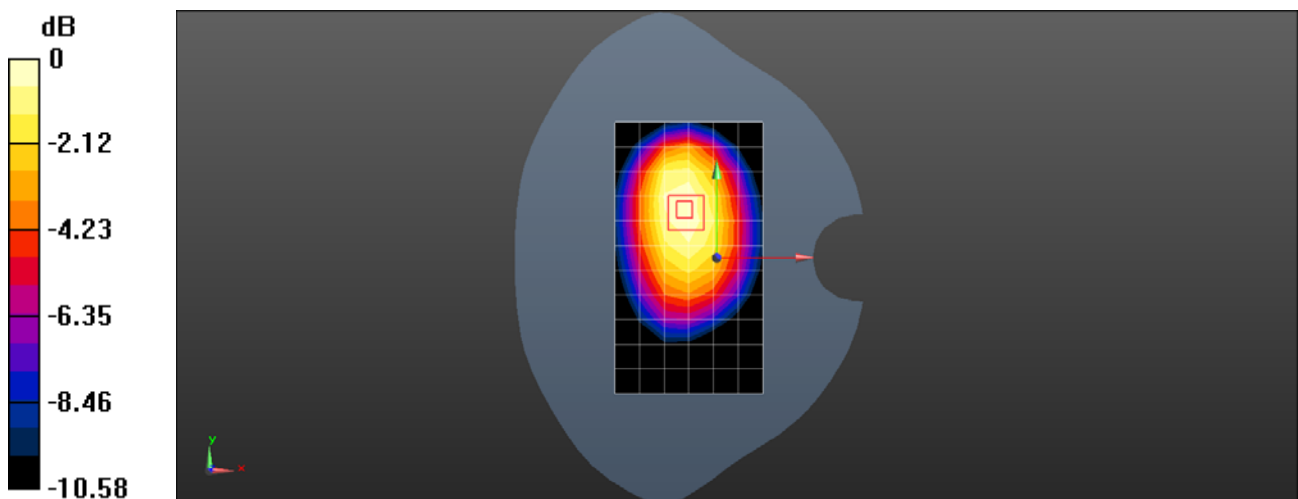
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.65 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.539 W/kg ; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.642 W/kg = -1.92 dBW/kg

Test Laboratory: SGS-SAR Lab

HW-01L LTE Band 17 10M QPSK 1RB25 23790CH Back side 10mm

DUT: HW-01L; Type: Mobile WiFi; Serial: 866665040007000

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 54.288$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.69, 10.69, 10.69); Calibrated: 2018/4/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018/1/17
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.614 W/kg

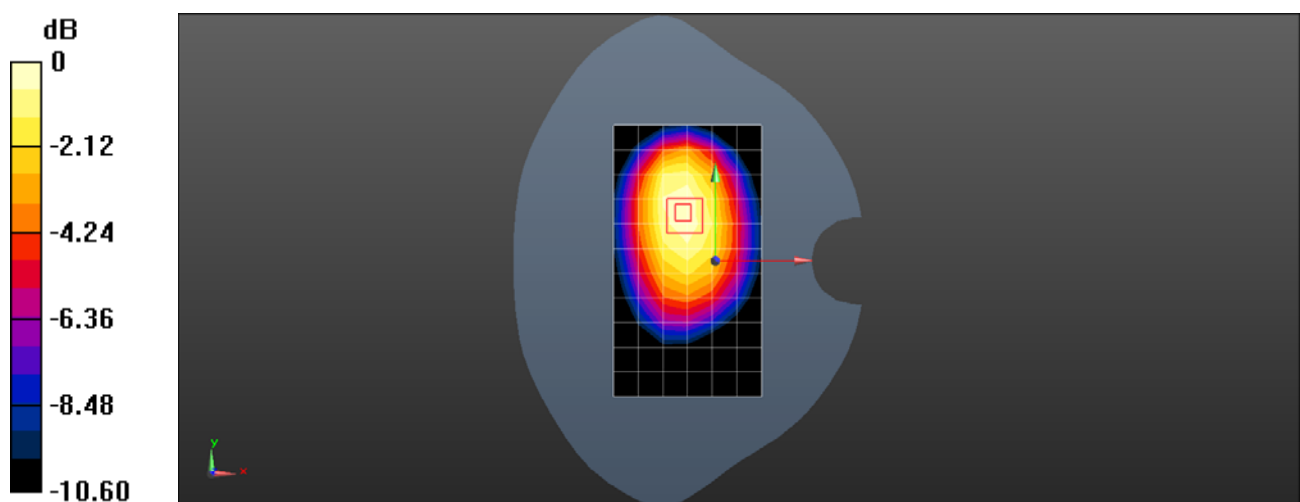
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.38 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.535 W/kg ; SAR(10 g) = 0.389 W/kg

Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

Test Laboratory: SGS-SAR Lab

HW-01L WiFi2.4G 802.11b 6CH Front side 10mm Ant 1

DUT: HW-01L; Type: Mobile WiFi; Serial: 866665040007042

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 53.851$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018-01-17
- Phantom: ELI V5.0; Type: ELI; Serial: 1123
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.403 W/kg

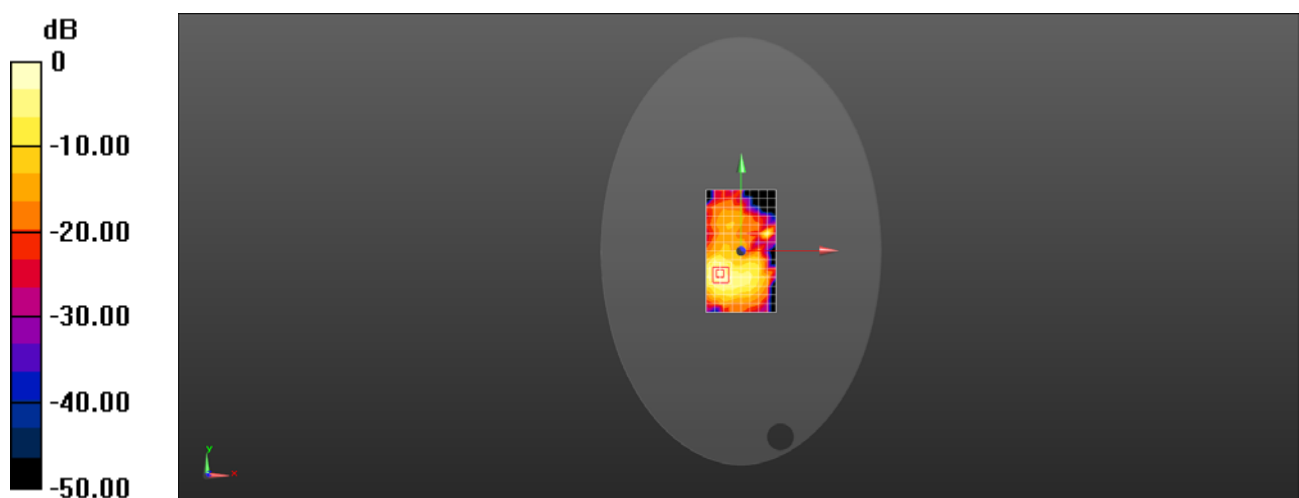
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.821 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.606 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.483 W/kg



0 dB = 0.483 W/kg = -3.16 dBW/kg