



Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 251CH Left hand touch cheek-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 39.653$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.09, 9.09, 9.09); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

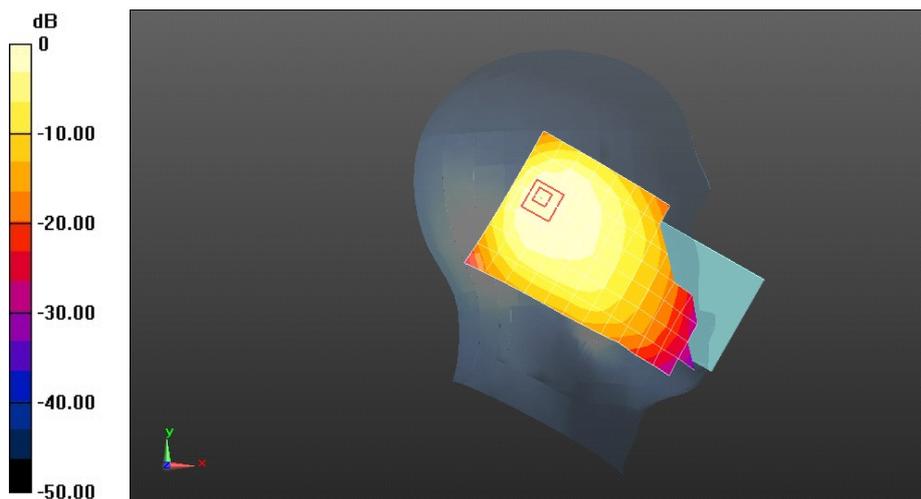
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.19 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 0.934 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 190CH Back side 15mm with battery 2#-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 55.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.06, 9.06, 9.06); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.206 W/kg

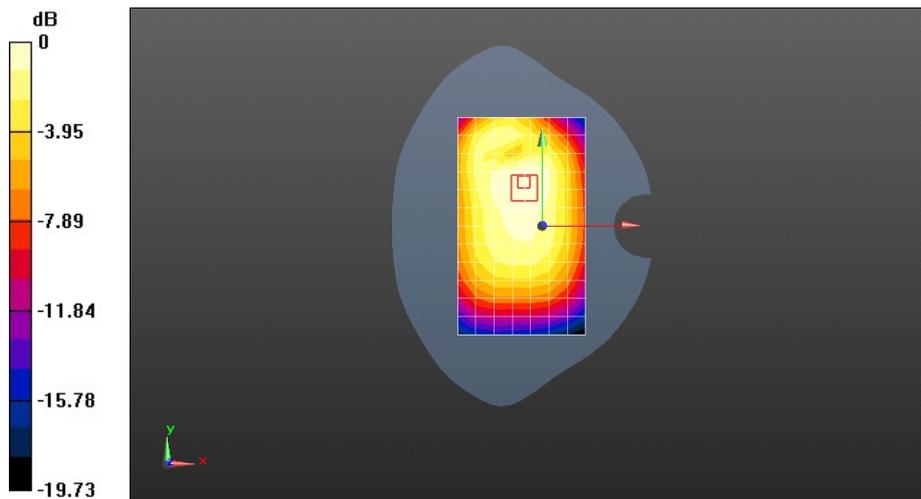
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 GPRS 2TS 190CH Front side 10mm-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-2TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 55.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.06, 9.06, 9.06); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.223 W/kg

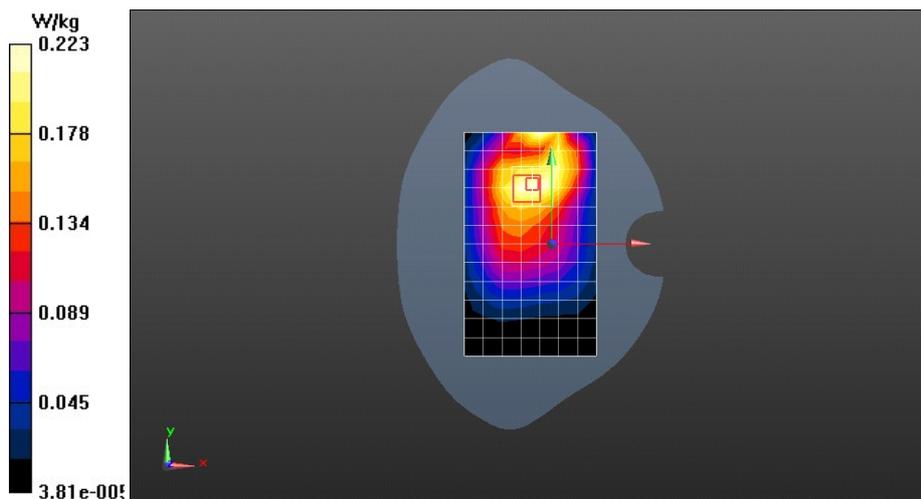
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 810CH Right hand tilt 15 degree-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-ITS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.449$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.6, 7.6, 7.6); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.628 W/kg

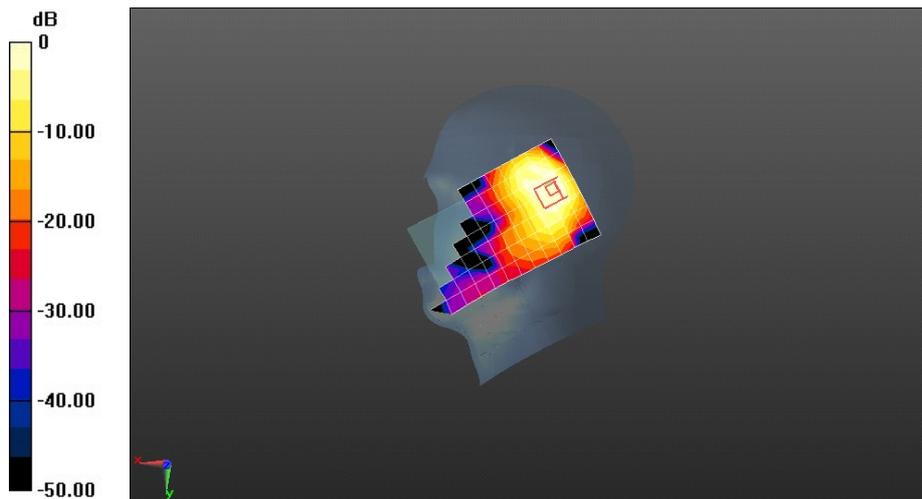
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.73 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.753 W/kg; SAR(10 g) = 0.367 W/kg

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.628 W/kg = -2.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 661CH Back side 15mm with battery 2#-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.17, 7.17, 7.17); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0816 W/kg

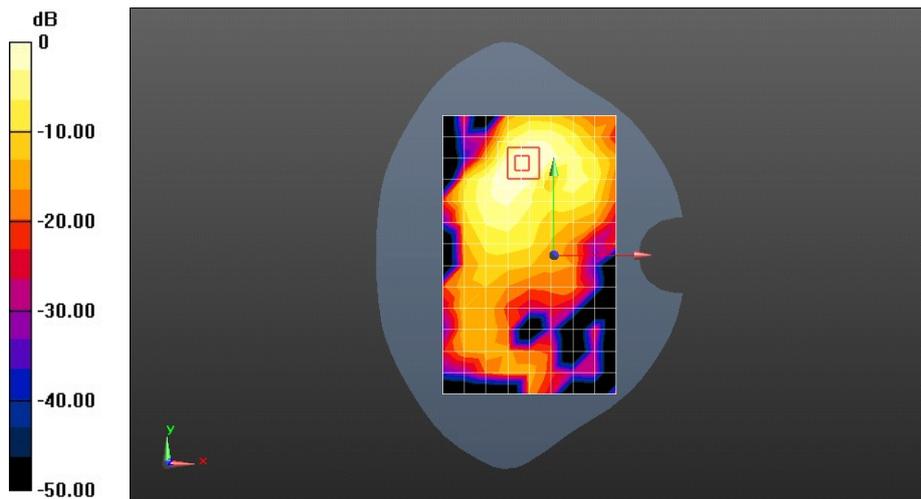
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.258 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.119 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.0859 W/kg



0 dB = 0.0816 W/kg = -10.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 GPRS 2TS 661CH Top side 10mm with battery 2#-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-2TS (0); Frequency: 1880 MHz;Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.17, 7.17, 7.17); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.167 W/kg

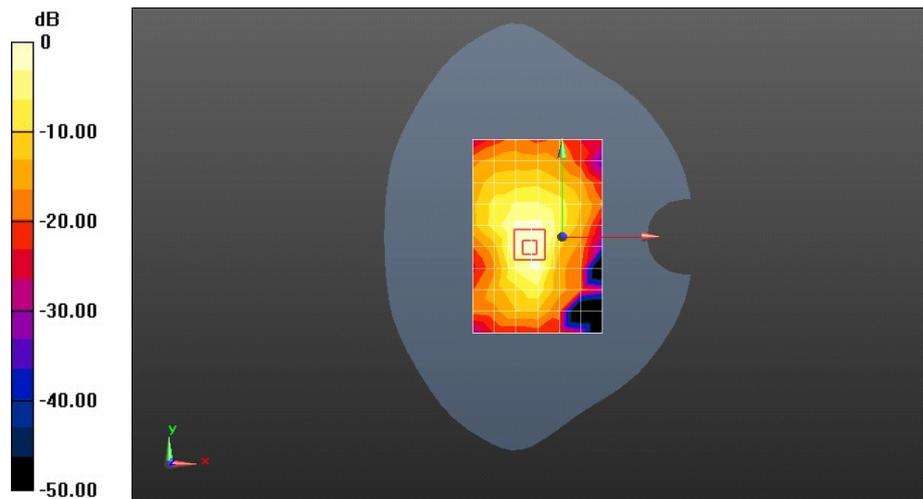
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.936 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.167 W/kg = -7.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 21100CH Right hand touch cheek-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 38.306$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.91, 6.91, 6.91); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.903 W/kg

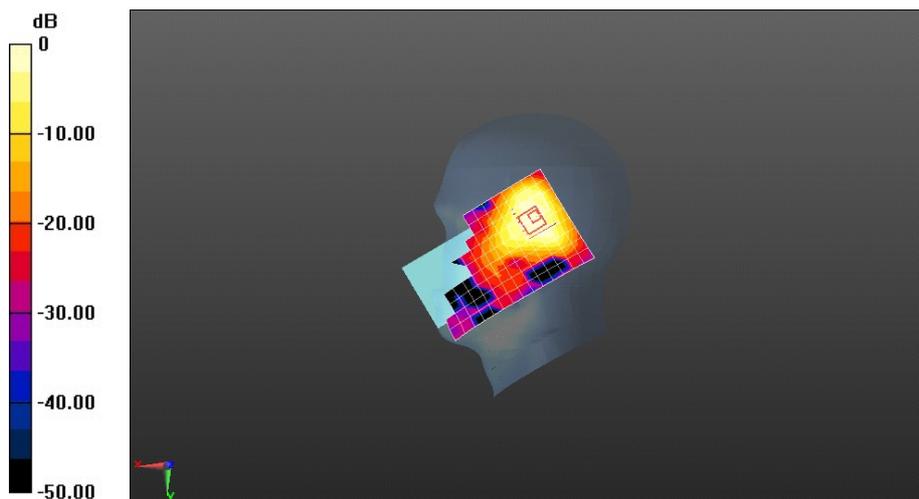
Configuration/Head/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.53 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 0.903 W/kg = -0.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 21100CH Front side 15mm-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.15$ S/m; $\epsilon_r = 51.781$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.54, 6.54, 6.54); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.105 W/kg

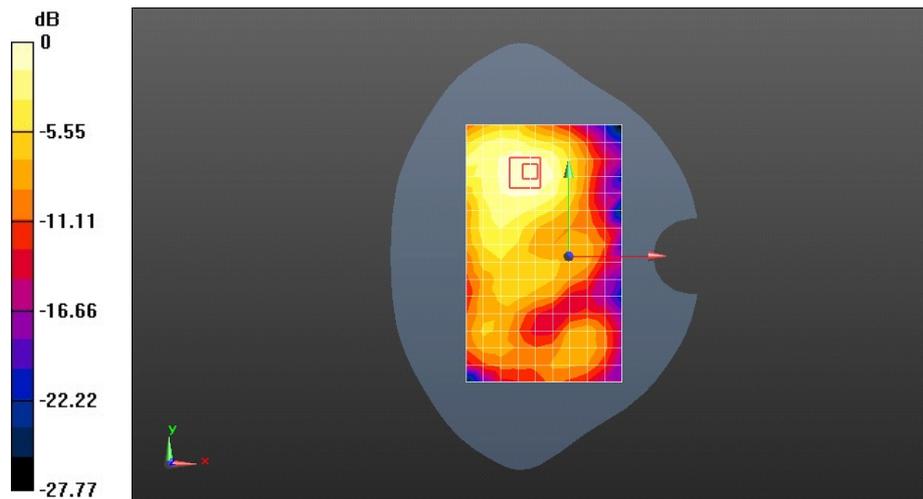
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.050 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.049 W/kg

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



0 dB = 0.105 W/kg = -9.79 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 21100CH Top side 10mm-Second Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.15$ S/m; $\epsilon_r = 51.781$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.54, 6.54, 6.54); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.292 W/kg

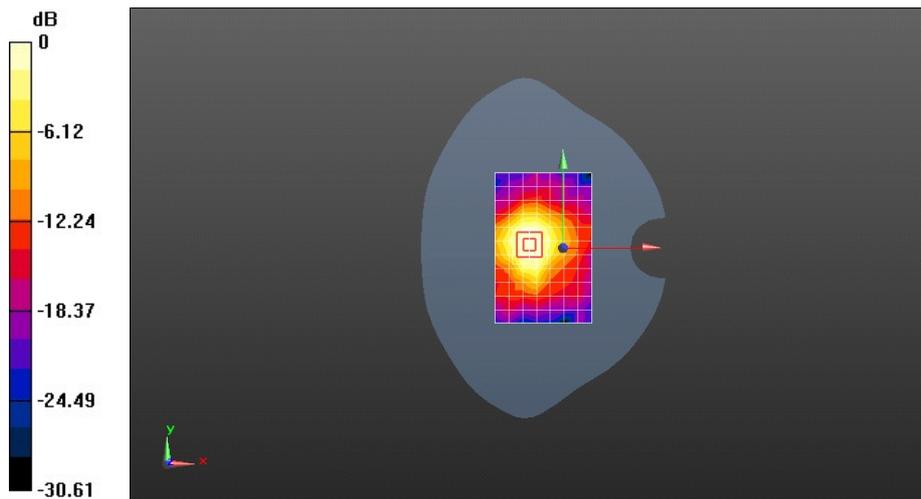
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.831 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 190CH Right hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 39.811$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.09, 9.09, 9.09); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.218 W/kg

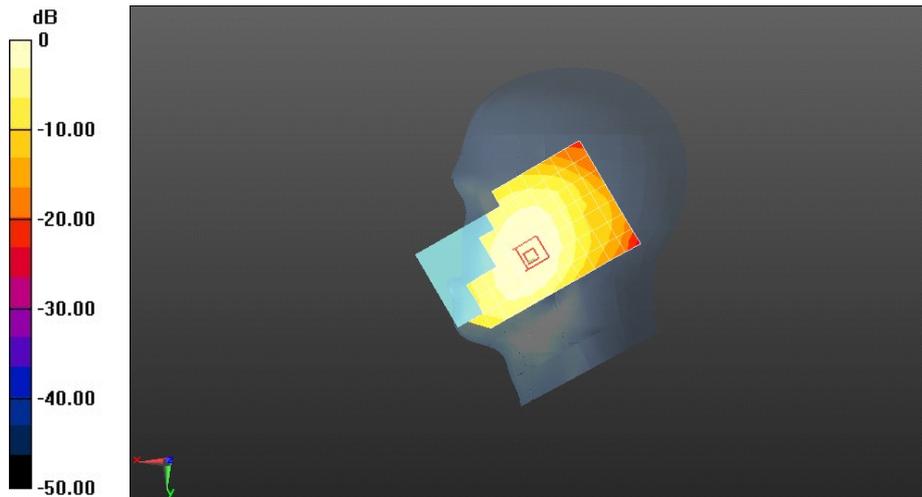
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.156 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 190CH Back side 15mm-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 55.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.06, 9.06, 9.06); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.279 W/kg

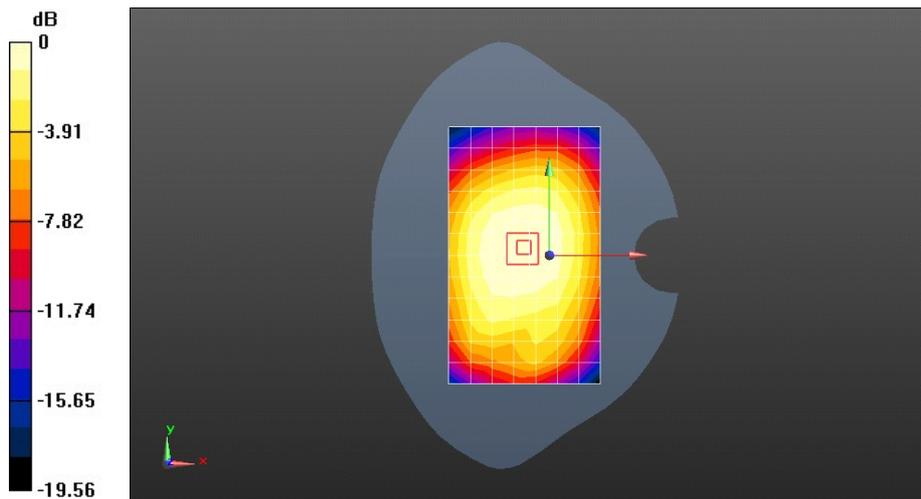
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.285 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM850 GPRS 2TS 190CH Right side 10mm with battery 2#-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-2TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 55.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.06, 9.06, 9.06); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.342 W/kg

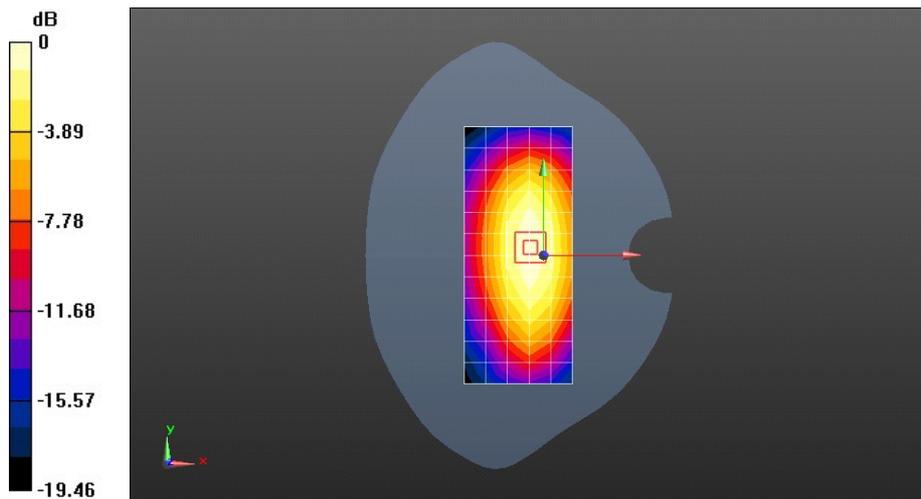
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.81 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 810CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.449$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.6, 7.6, 7.6); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.119 W/kg

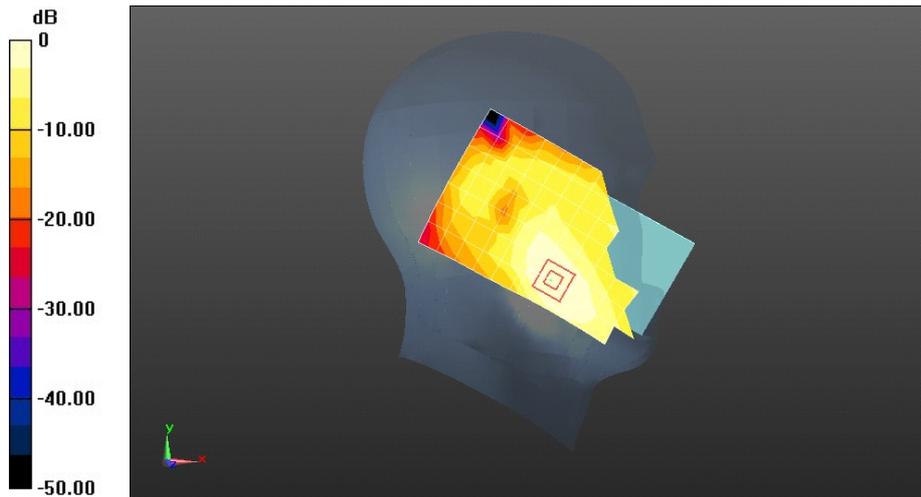
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.510 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 661CH Front side 15mm with battery 2#-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.17, 7.17, 7.17); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.347 W/kg

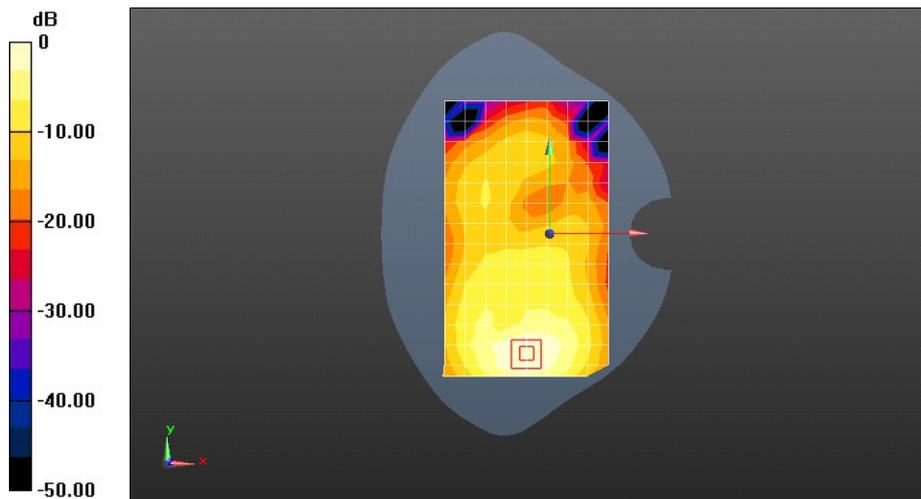
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.622 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 GPRS 2TS 810CH Bottom side 10mm-repeated-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-2TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.10015

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.573$ S/m; $\epsilon_r = 52.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.17, 7.17, 7.17); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.32 W/kg

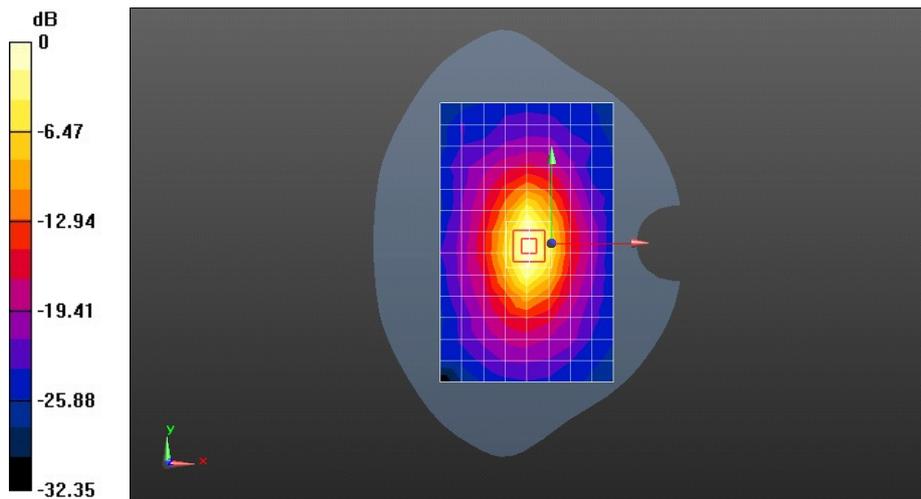
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 29.61 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.581 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 GSM1900 GPRS 2TS 661CH Bottom side 0mm-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM/GPRS/EGPRS-2TS (0); Frequency: 1880 MHz;Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.17, 7.17, 7.17); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.66 W/kg

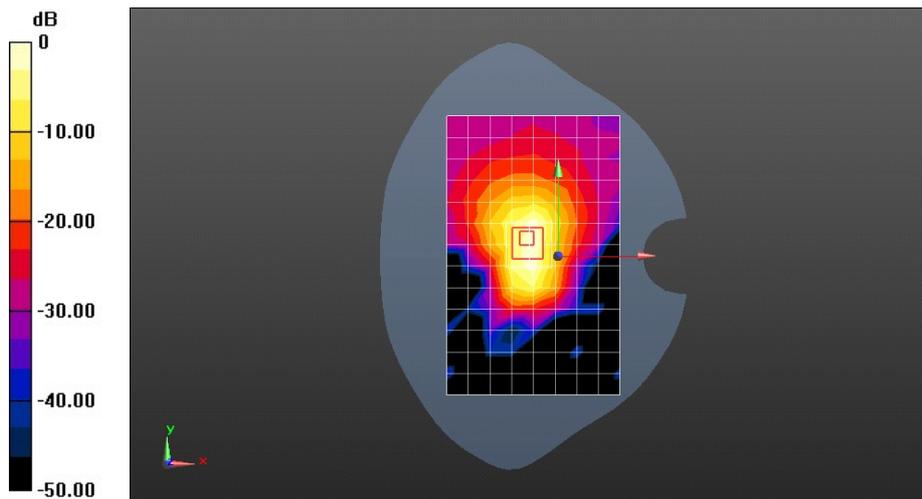
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 38.56 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.53 W/kg

SAR(1 g) = 2.94 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 4.79 W/kg



0 dB = 2.66 W/kg = 4.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 21350CH Right hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 37.741$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.91, 6.91, 6.91); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.174 W/kg

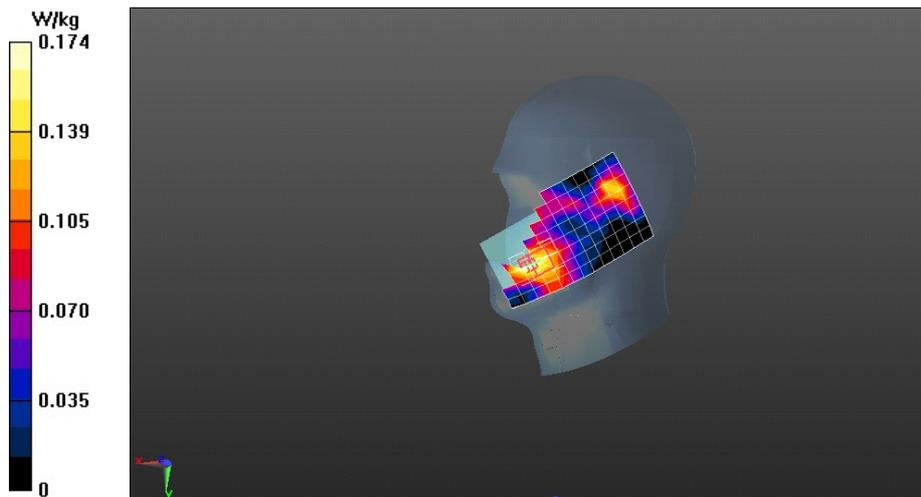
Configuration/Head/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.104 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.178 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 21350CH Back side 15mm-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

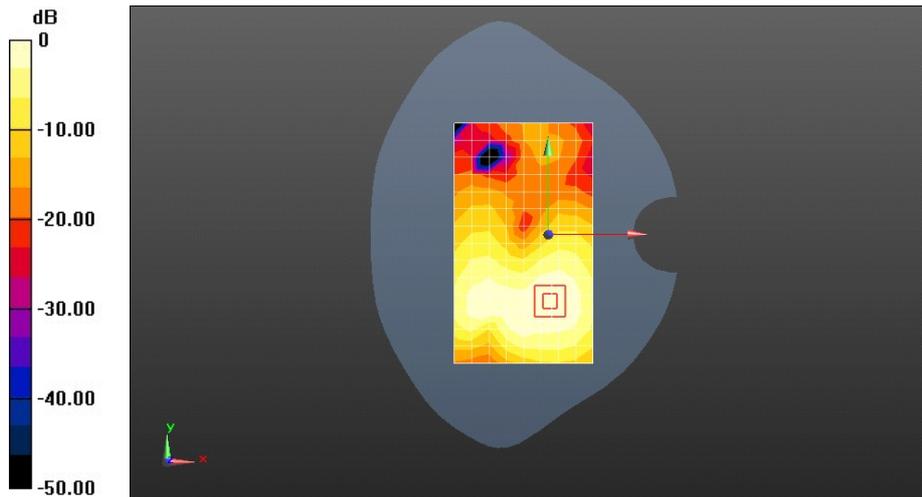
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 2.182$ S/m; $\epsilon_r = 51.713$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.54, 6.54, 6.54); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.907 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 2.262 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.434 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#99 21350CH Back side 10mm-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 2.182$ S/m; $\epsilon_r = 51.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.54, 6.54, 6.54); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.892 W/kg

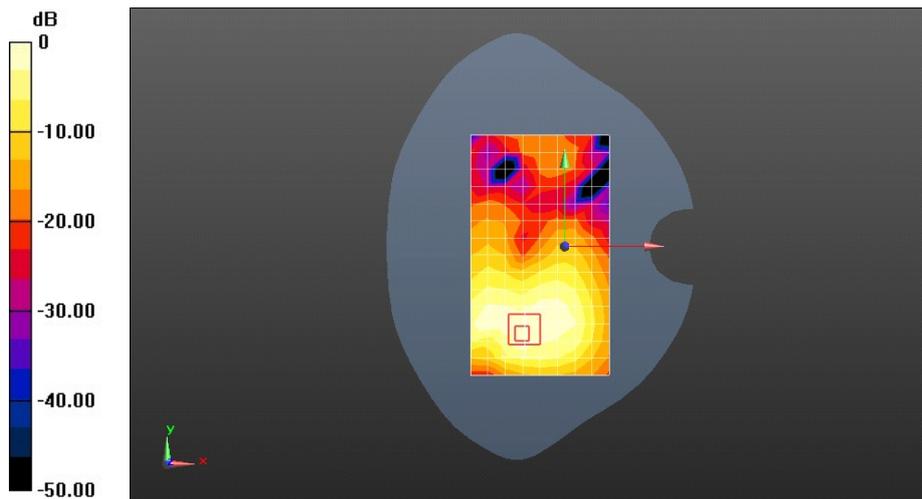
Configuration/Body/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.392 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.746 W/kg; SAR(10 g) = 0.372 W/kg

Maximum value of SAR (measured) = 0.943 W/kg



0 dB = 0.892 W/kg = -0.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 LTE Band VII 20M QPSK 1RB#0 20850CH Back side 0mm with battery2#-Main Antenna

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.119$ S/m; $\epsilon_r = 51.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.54, 6.54, 6.54); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 13.3 W/kg

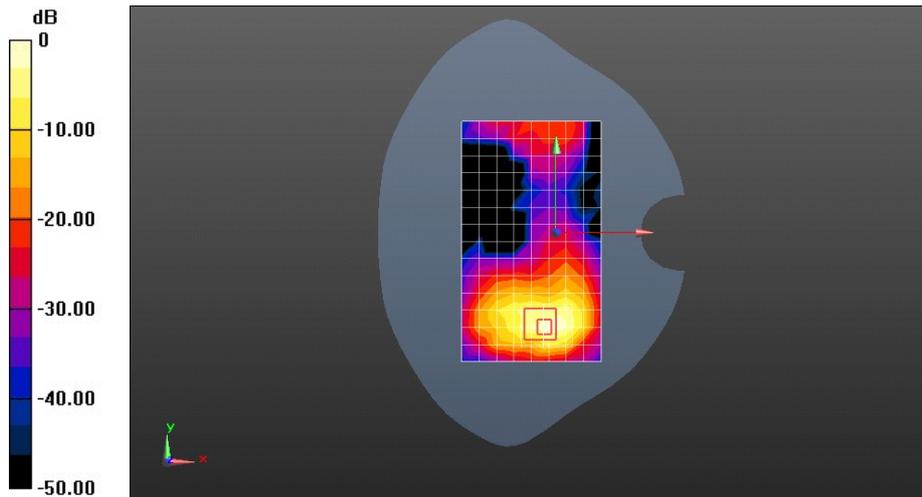
Configuration/Body/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.208 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 9.25 W/kg; SAR(10 g) = 3.25 W/kg

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 WiFi 2.4G 11b 11CH Left hand touch cheek-Repeated

DUT: HUAWEI RIO-L01,RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.824$ S/m; $\epsilon_r = 38.694$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.08, 7.08, 7.08); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.31 W/kg

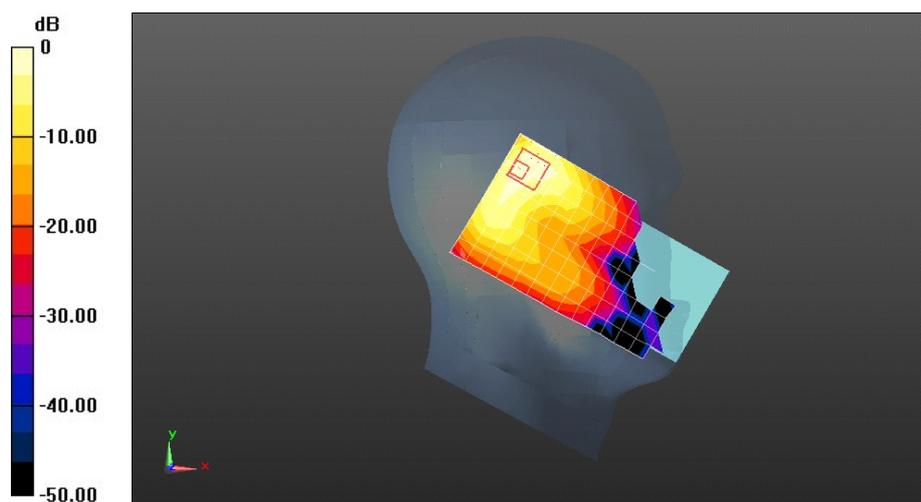
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.46 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 WiFi 2.4G 11b 11CH Back side 15mm

DUT: HUAWEI RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.036$ S/m; $\epsilon_r = 51.176$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.69, 6.69, 6.69); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.154 W/kg

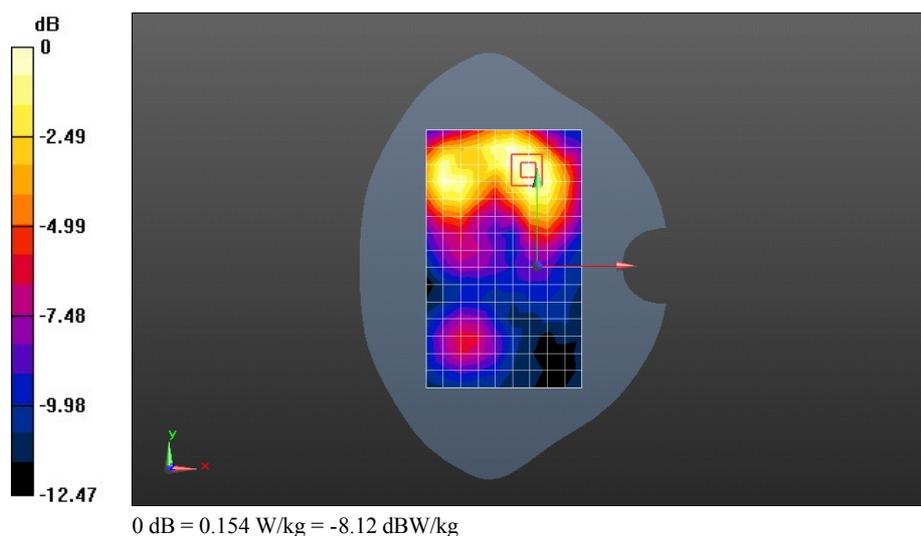
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.150 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

RIO-L01 WiFi 2.4G 11b 11CH Top side 10mm

DUT: HUAWEI RIO-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.036$ S/m; $\epsilon_r = 51.176$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.69, 6.69, 6.69); Calibrated: 2014-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.557 W/kg

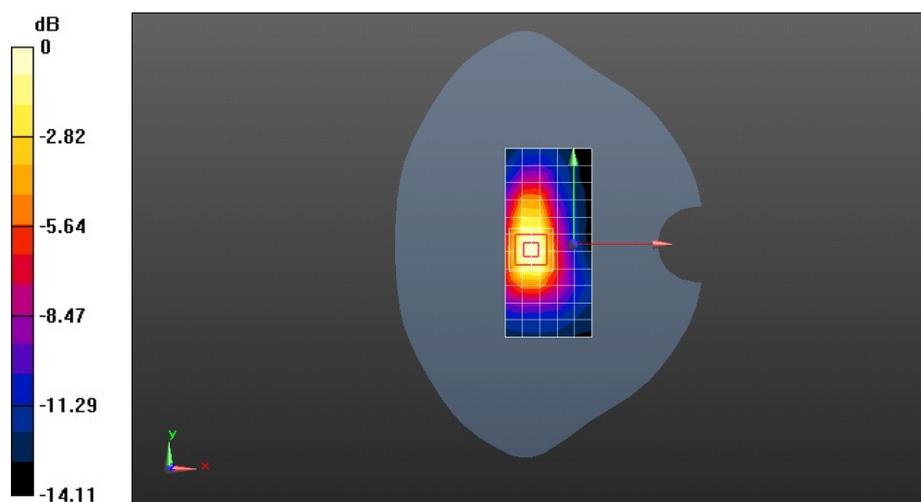
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.43 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.709 W/kg



0 dB = 0.557 W/kg = -2.54 dBW/kg