



Appendix B DASY Measurement Results

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Test Laboratory: HUAWEI SAR/HAC Lab

HWD37 UMTS Band II 9400CH Back Side 18mm

DUT: HWD37; Type: Mobile WiFi; Serial: SAR3

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.568$ S/m; $\epsilon_r = 52.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ι Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-6-12
- ι Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ι Electronics: DAE4 Sn1235; Calibrated: 2017-11-16
- ι Phantom: SAM6; Type: SAM; Serial: 1892
- ι DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.972 W/kg

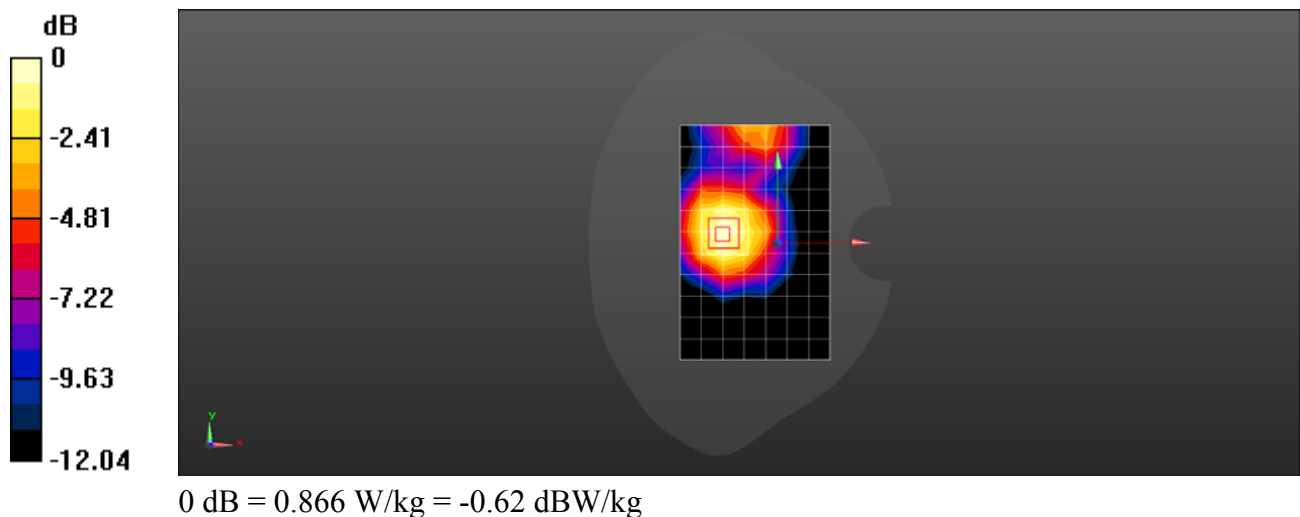
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.76 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 0.866 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

HWD37 UMTS Band V 4182CH Back Side 10mm

DUT: HWD37; Type: Mobile WiFi; Serial: SAR3

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 54.361$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7505; ConvF(9.73, 9.73, 9.73) @ 836.4 MHz; Calibrated: 2018-6-12
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017-11-16
- ε Phantom: SAM6; Type: SAM; Serial: 1892
- ε DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.690 W/kg

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

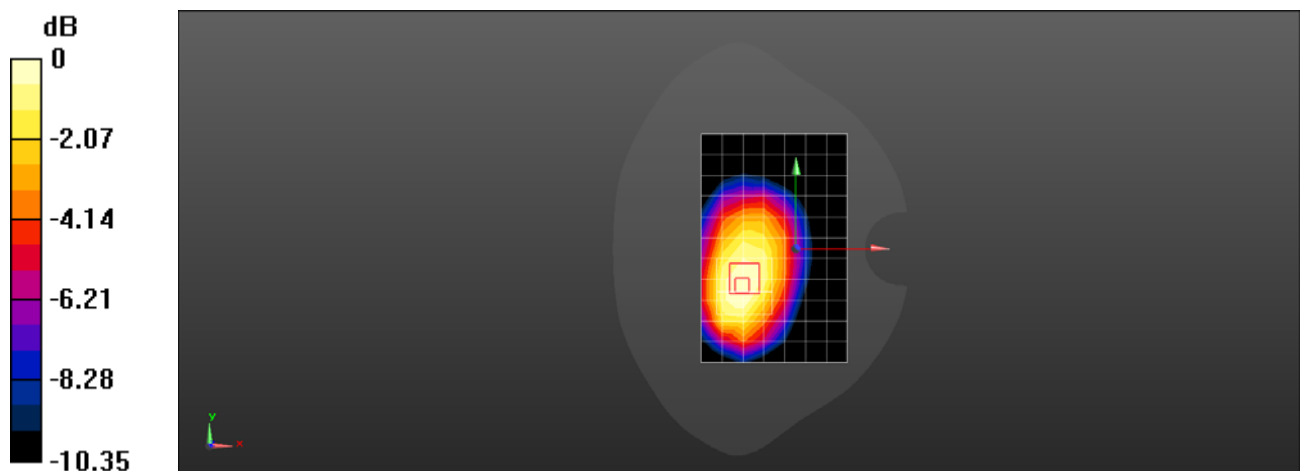
Reference Value = 20.55 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.413 W/kg

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

Maximum value of SAR (measured) = 0.662 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

HWD37 LTE Band 5 10M QPSK 50%RB 13 Offset 20450CH Back Side 10mm

DUT: HWD37; Type: Mobile WiFi; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 1.008 \text{ S/m}$; $\epsilon_r = 54.391$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7505; ConvF(9.73, 9.73, 9.73) @ 829 MHz; Calibrated: 2018-6-12
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017-11-16
- ε Phantom: SAM6; Type: SAM; Serial: 1892
- ε DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.651 W/kg

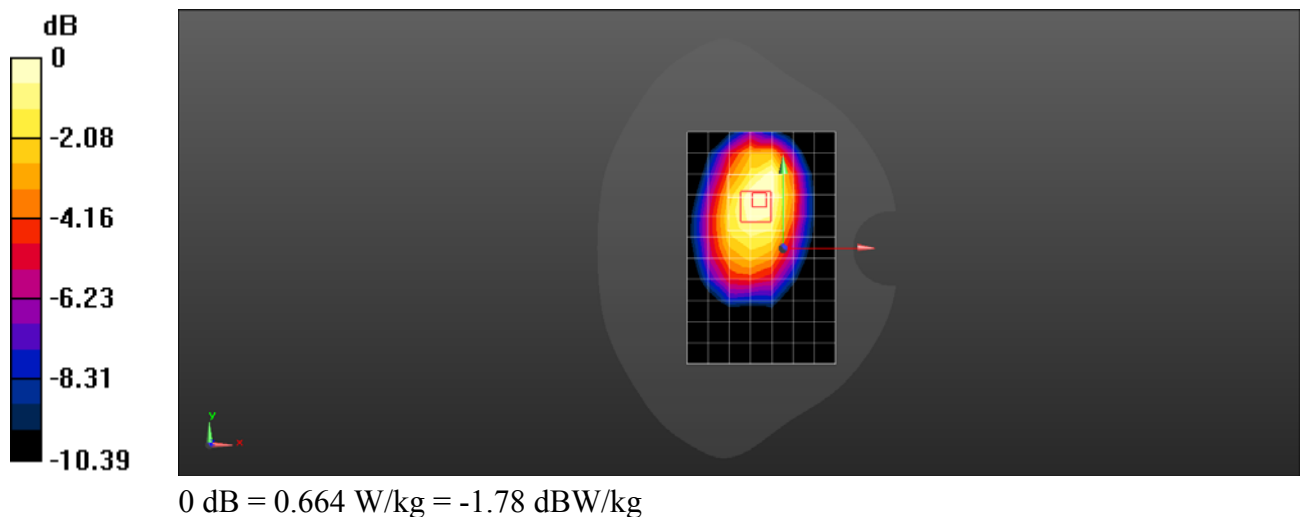
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.10 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

HWD37 LTE Band 17 10M QPSK 1RB 25 Offset 23800CH Front Side 10mm

DUT: HWD37; Type: Mobile WiFi; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.967 \text{ S/m}$; $\epsilon_r = 54.865$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7505; ConvF(9.96, 9.96, 9.96) @ 711 MHz; Calibrated: 2018-6-12
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017-11-16
- ε Phantom: SAM6; Type: SAM; Serial: 1892
- ε DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.661 W/kg

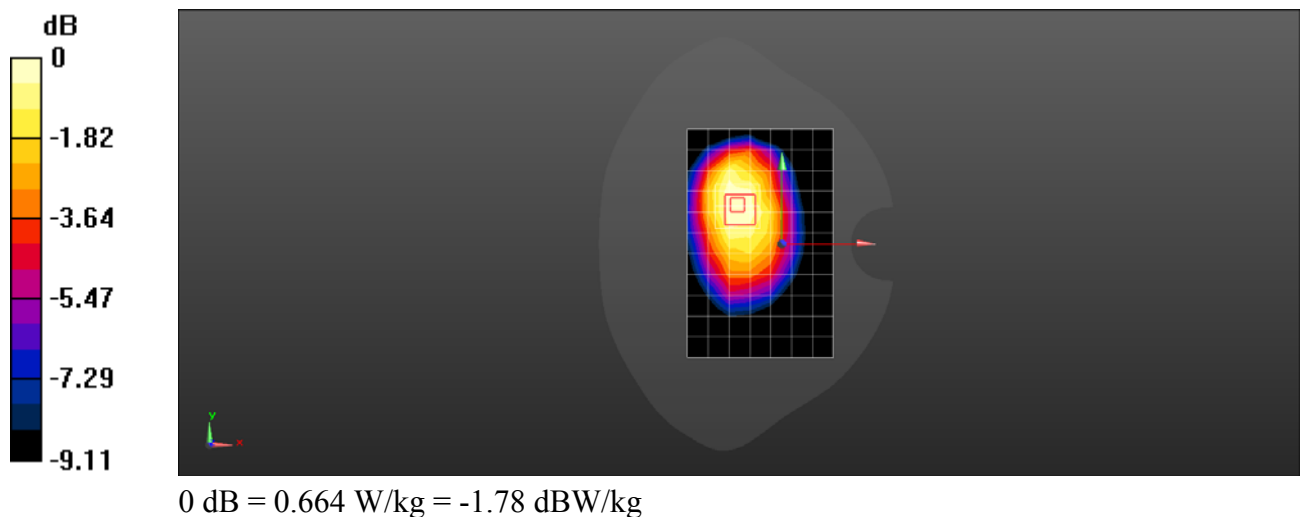
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.14 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

HWD37 WiFi 2.4G 802.11g 3CH Back Side 10mm-CDD

DUT: HWD37; Type: Mobile WiFi; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2422 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2422$ MHz; $\sigma = 1.984$ S/m; $\epsilon_r = 53.563$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7505; ConvF(7.28, 7.28, 7.28) @ 2422 MHz; Calibrated: 2018-6-12
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017-11-16
- ε Phantom: SAM6; Type: SAM; Serial: 1892
- ε DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/Body/Area Scan (10x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.211 W/kg

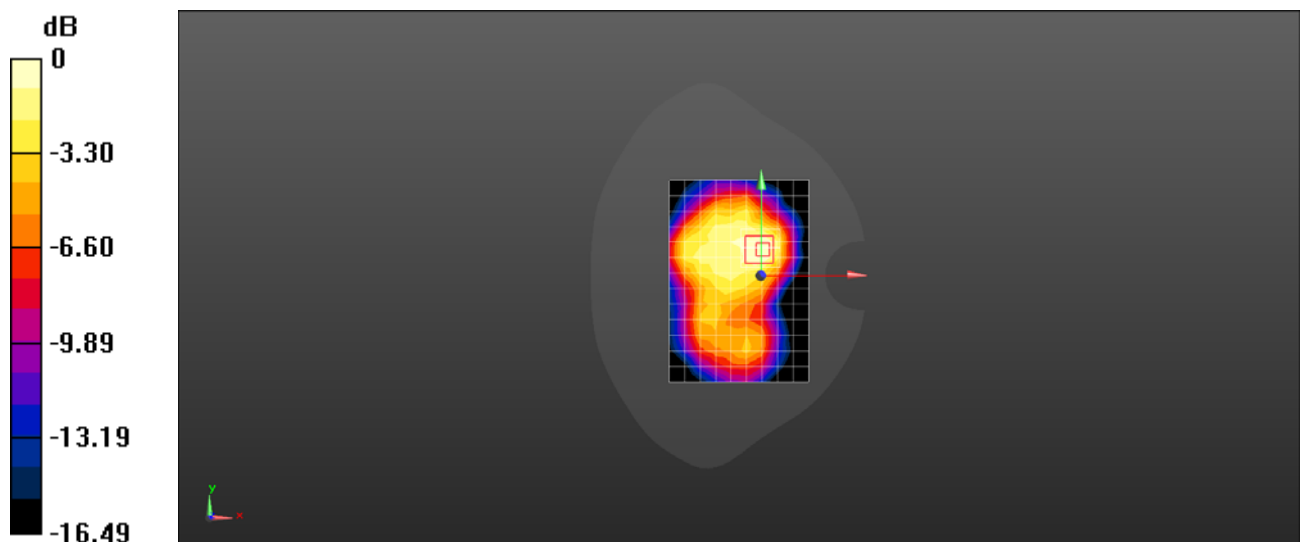
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.616 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.181 W/kg = -7.42 dBW/kg