Appendix B DASY Measurement Results

Table of contents
UMTS Band II Body
UMTS Band V Body
LTE Band V Body
LTE Band XVII Body
WiFi 2.4G Body

Date: 2017/10/19

Test Laboratory: HUAWEI SAR/HAC Lab

HWD36 UMTS Band II 9262CH Front Side 10mm repeat

DUT: HWD36; Type: Mobile WiFi; Serial: SAR4

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.534 S/m; ε_r = 54.68; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

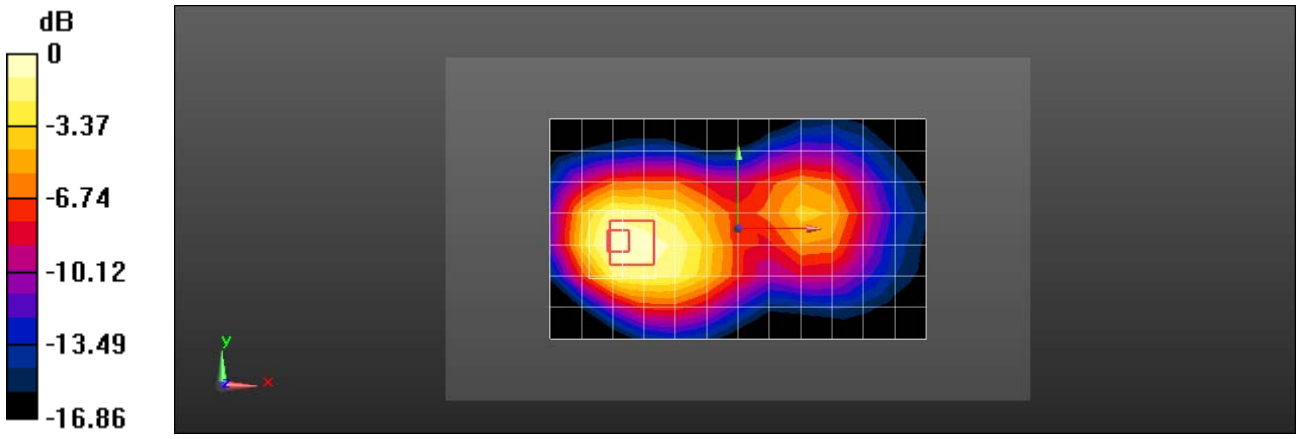
- Probe: EX3DV4 - SN3820; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/6/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.25 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.02 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.563 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.80 dBW/kg

Date: 2017/10/17

Test Laboratory: HUAWEI SAR/HAC Lab

HWD36 UMTS Band V 4233CH Back Side 10mm

DUT: HWD36; Type: Mobile WiFi; Serial: SAR4

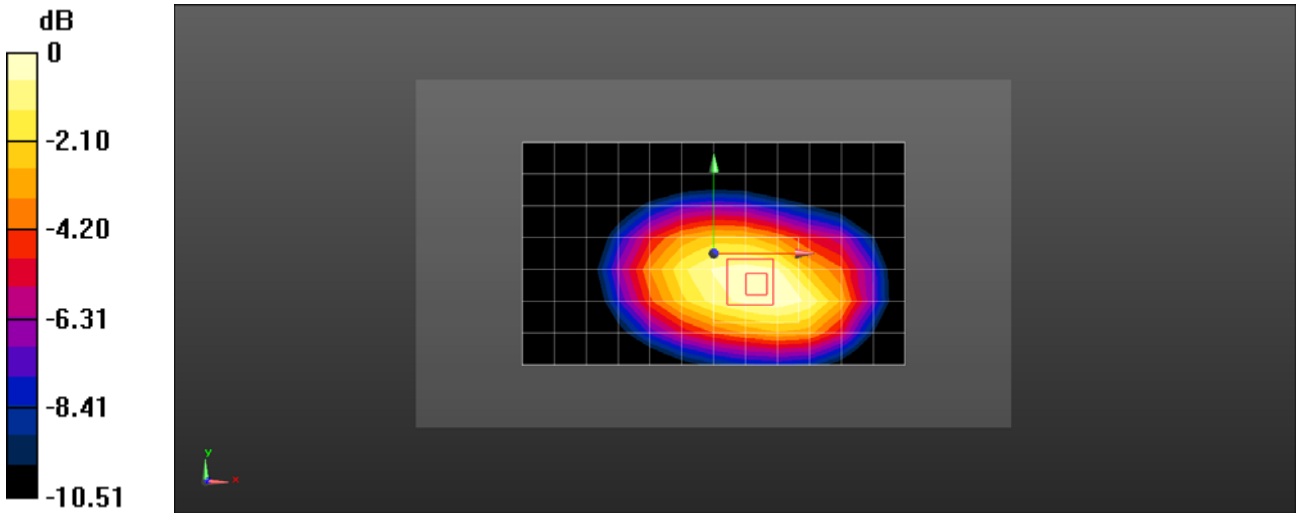
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; σ = 0.981 S/m; ε_r = 56.143; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.05 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.57 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.643 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.38 dBW/kg

Date: 2017/10/16

Test Laboratory: HUAWEI SAR/HAC Lab

HWD36 LTE Band V 10M QPSK 1RB 0 offset 20600CH Back Side 10mm

DUT: HWD36; Type: Mobile WiFi; Serial: SAR4

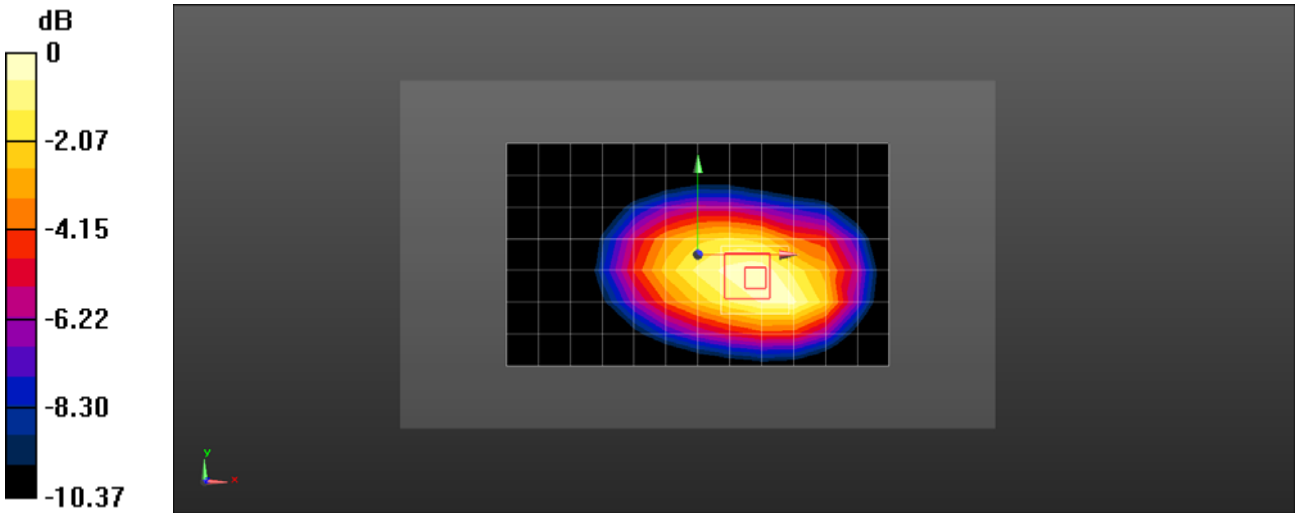
Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.98 S/m; ε_r = 56.158; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.930 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.02 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.538 W/kg
Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg = -0.19 dBW/kg

Date: 2017/10/17

Test Laboratory: HUAWEI SAR/HAC Lab

HWD36 LTE Band XVII 10M QPSK 50%RB 13 offset 23800CH Front side 10mm

DUT: HWD36; Type: Mobile WiFi; Serial: SAR4

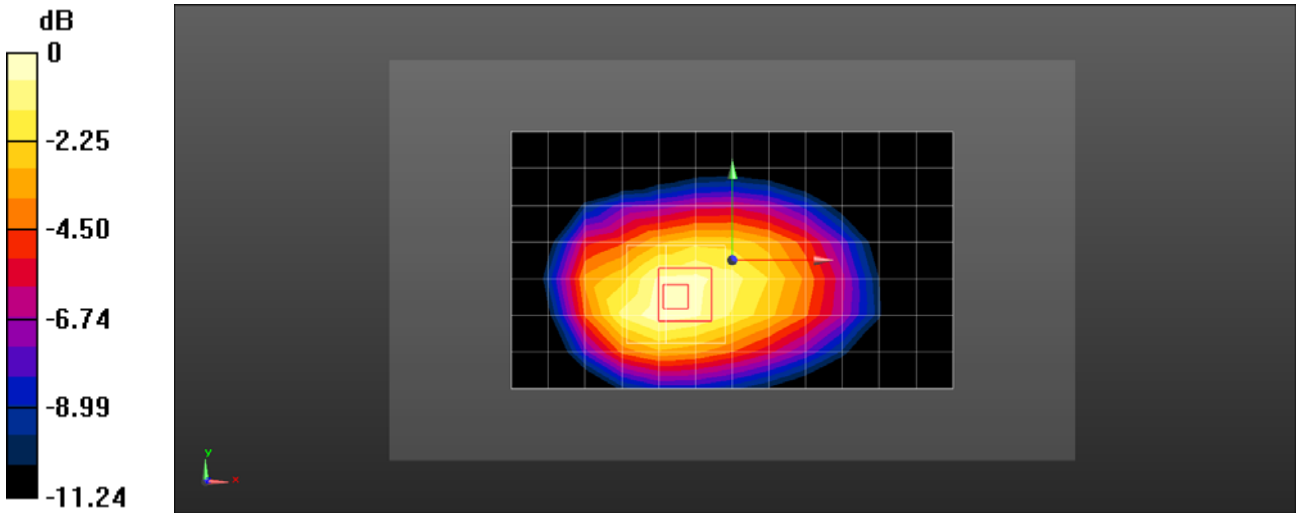
Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz;Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.965 S/m; ε_r = 54.819; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/6/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.631 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.23 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.739 W/kg
SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.658 W/kg = -1.81 dBW/kg

Date: 2017/10/19

Test Laboratory: HUAWEI SAR/HAC Lab

HWD36 WiFi 2.4G 802.11b 6CH Front Side 10mm -Ant0

DUT: HWD36; Type: Mobile WiFi; Serial: SAR4

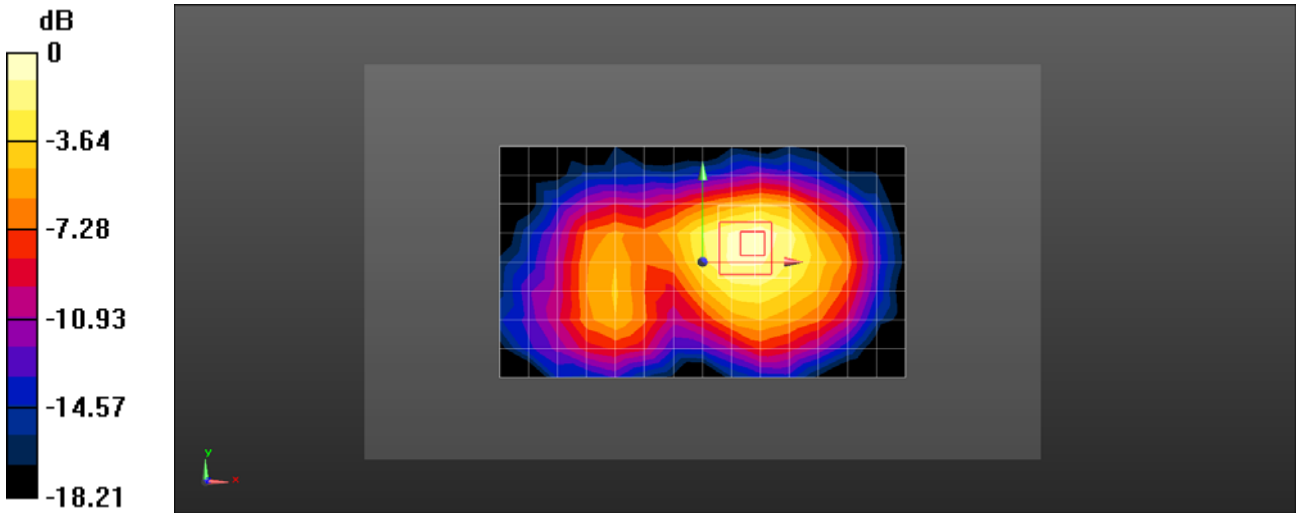
Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.909 S/m; ε_r = 53.73; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/6/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.199 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.716 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.077 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dBW/kg