



## Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

## E5730s-6 GSM850 GPRS 2TS 190CH Back side 10mm

**DUT: E5730s-6; Type: Mobile WiFi; 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;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.015$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Configuration/Body/Area Scan (9x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

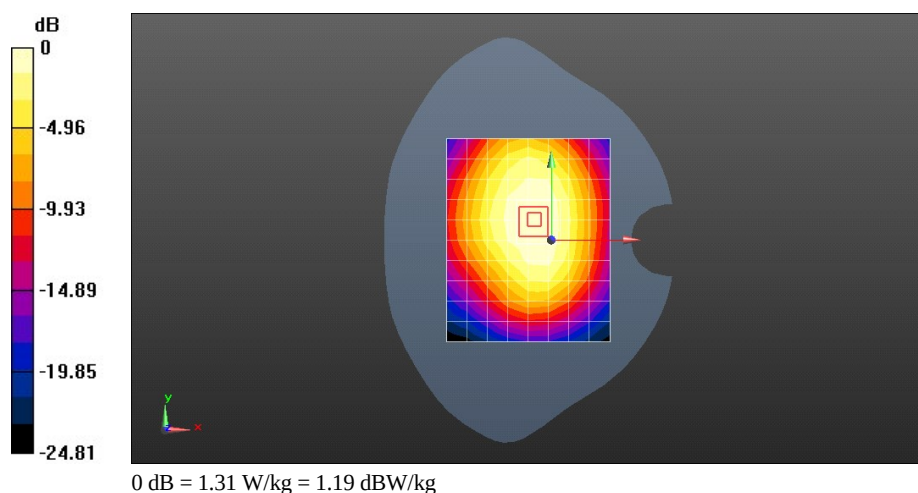
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 35.021 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.924 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## E5730s-6 GSM1900 GPRS 2TS 512CH Right Side 10mm with battery 2#

**DUT: E5730s-6; Type: Mobile WiFi; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.441$  S/m;  $\epsilon_r = 54.034$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Configuration/Body/Area Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.40 W/kg

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

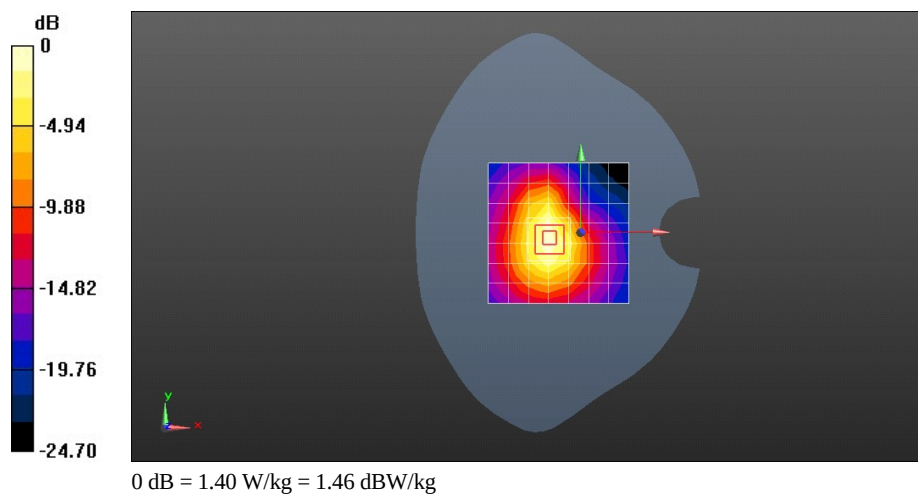
Reference Value = 27.264 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.680 W/kg**

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

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### E5730s-6 UMTS Band V 4182CH Back side 10mm

**DUT: E5730s-6; Type: Mobile WiFi; Serial: SAR1**

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;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.023$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Configuration/Body/Area Scan (9x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.731 W/kg

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

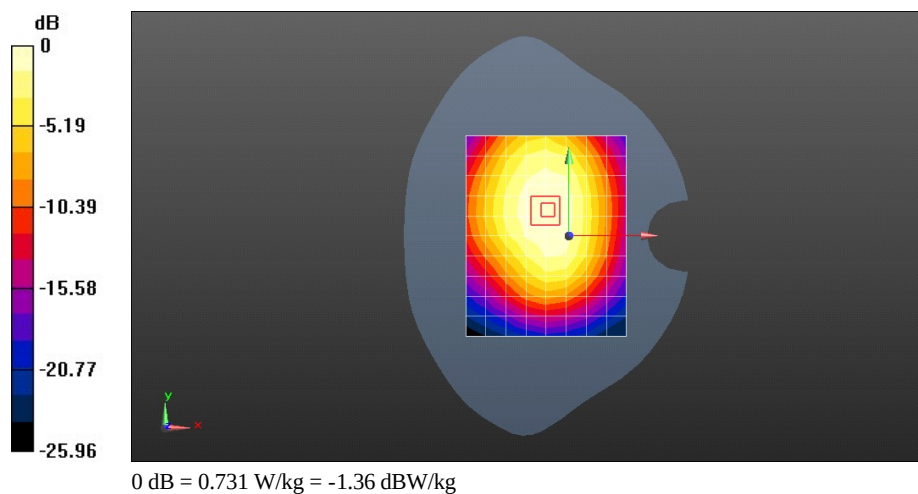
Reference Value = 25.949 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.855 W/kg

**SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.509 W/kg**

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

Maximum value of SAR (measured) = 0.741 W/kg



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## E5730s-6 UMTS Band II 9262CH Right Side 10mm

**DUT: E5730s-6; Type: Mobile WiFi; Serial: SAR1**

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;  $\sigma = 1.443$  S/m;  $\epsilon_r = 54.028$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Configuration/Body/Area Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.33 W/kg

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

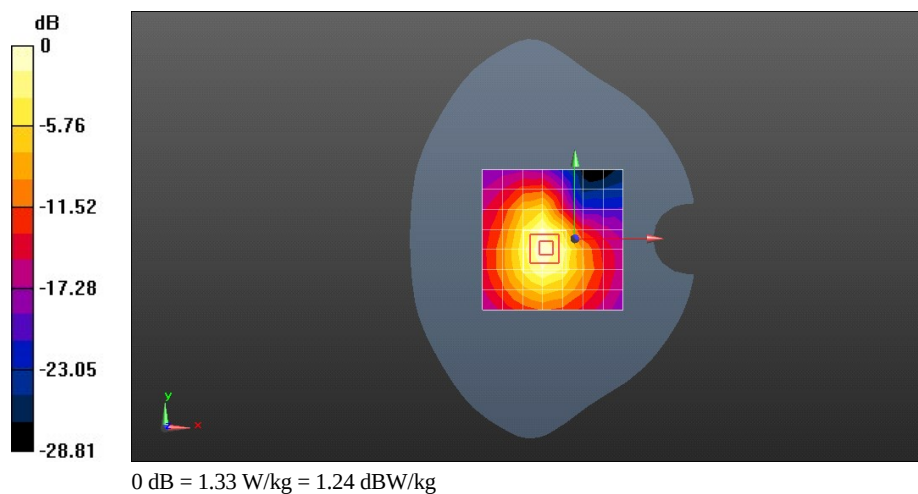
Reference Value = 26.699 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.643 W/kg**

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

### E5730s-6 WiFi 802.11b 6CH Top Side 10mm with battery 2#

**DUT: E5730s-6; Type: Mobile WiFi; Serial: SAR1**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.984$  S/m;  $\epsilon_r = 51.989$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.25, 4.25, 4.25); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.138 W/kg

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

Reference Value = 2.662 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.226 W/kg

**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.059 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg

