



## Appendix B. SAR Measurement Plots

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<b>CDMA BC0</b>	<b>Body</b>

Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 777CH Back side 0mm

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 56.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.774 W/kg

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

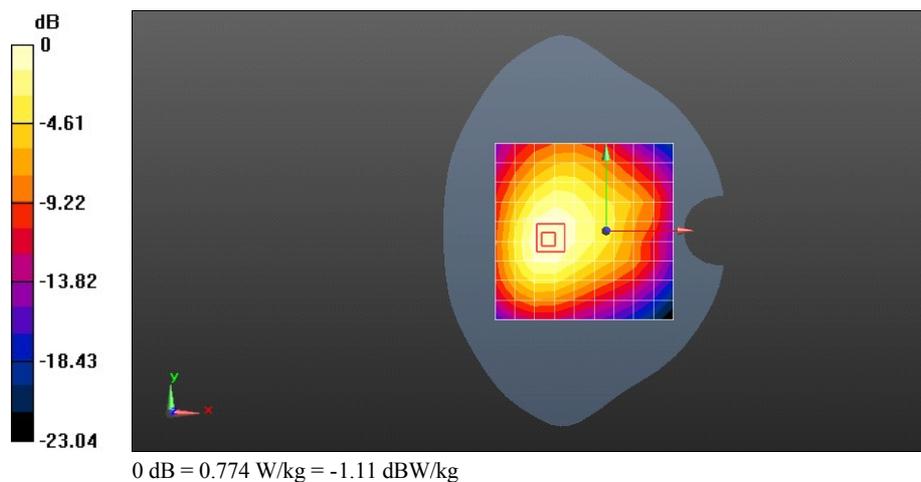
Reference Value = 23.182 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.506 W/kg**

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

Maximum value of SAR (measured) = 0.785 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 384CH Back side 0mm

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 56.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.790 W/kg

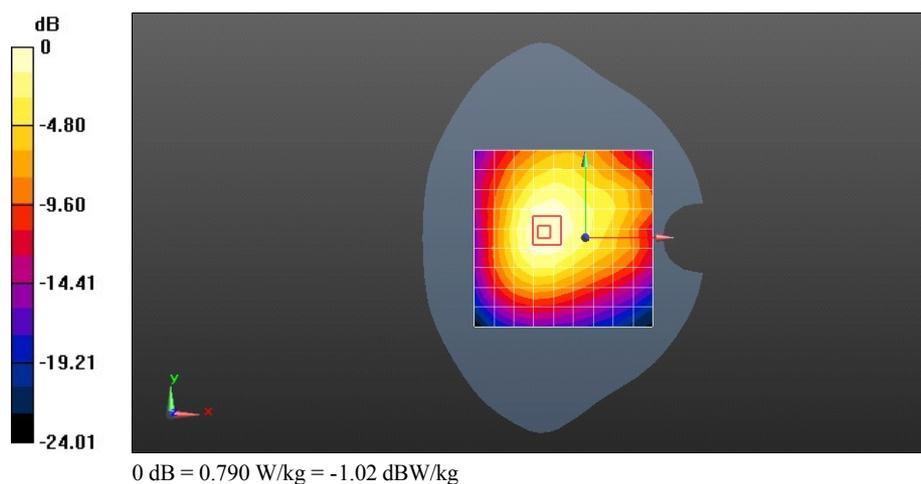
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.584 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.523 W/kg**

Maximum value of SAR (measured) = 0.816 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 1013CH Back side 0mm

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 56.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.780 W/kg

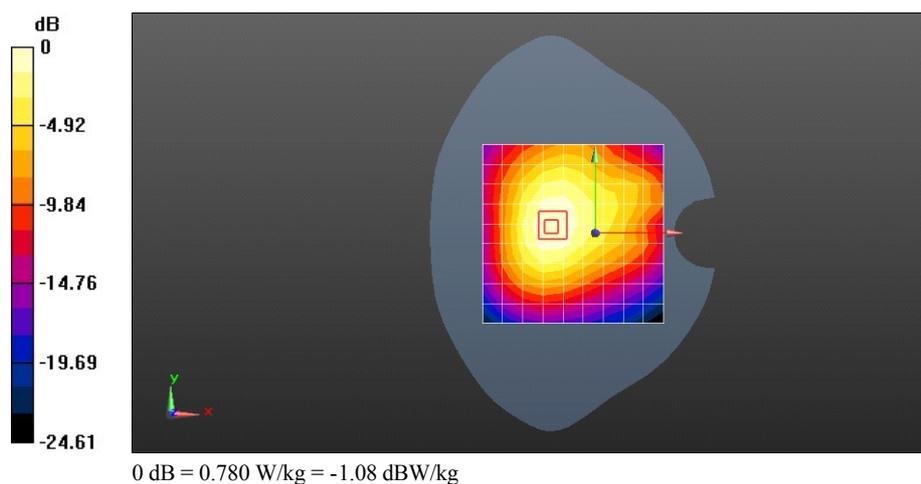
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.842 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.526 W/kg**

Maximum value of SAR (measured) = 0.820 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**F202 CDMA BC0 777CH Right side 0mm**

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 848.31 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 56.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.965 W/kg

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

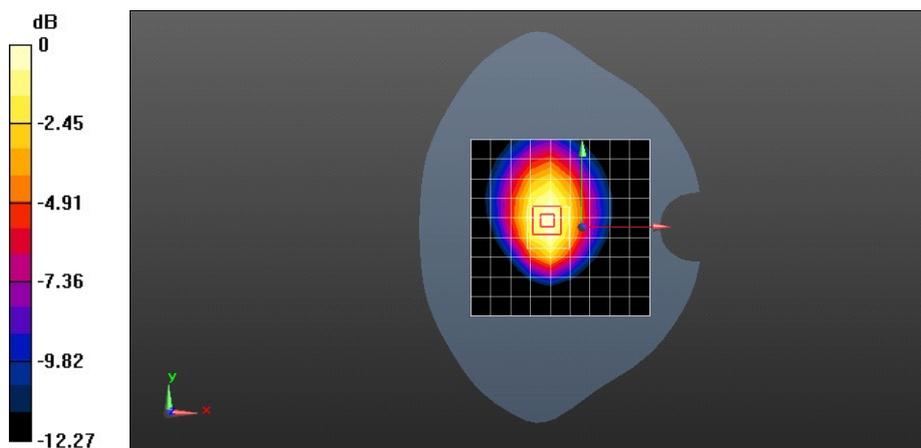
Reference Value = 28.689 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.615 W/kg**

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

Maximum value of SAR (measured) = 0.969 W/kg



0 dB = 0.969 W/kg = -0.14 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**F202 CDMA BC0 777CH Right side 0mm-repeated****DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 56.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.902 W/kg

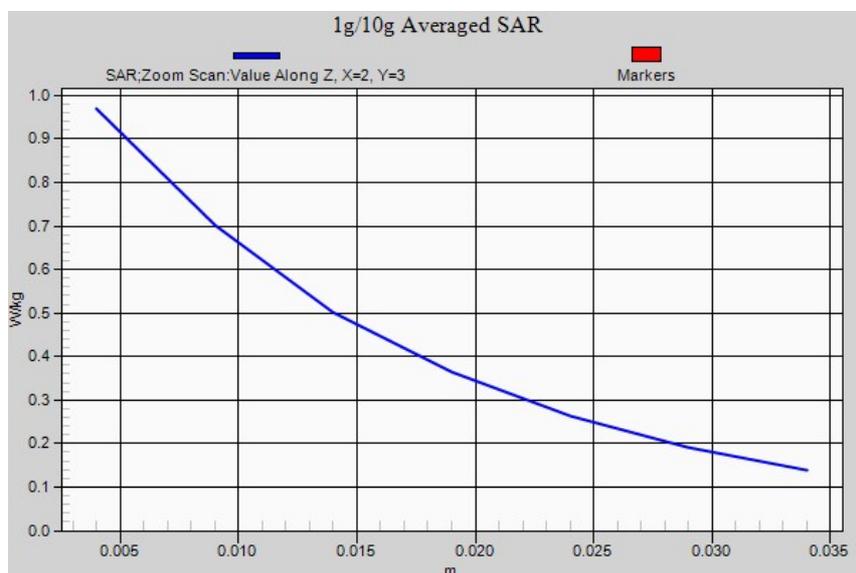
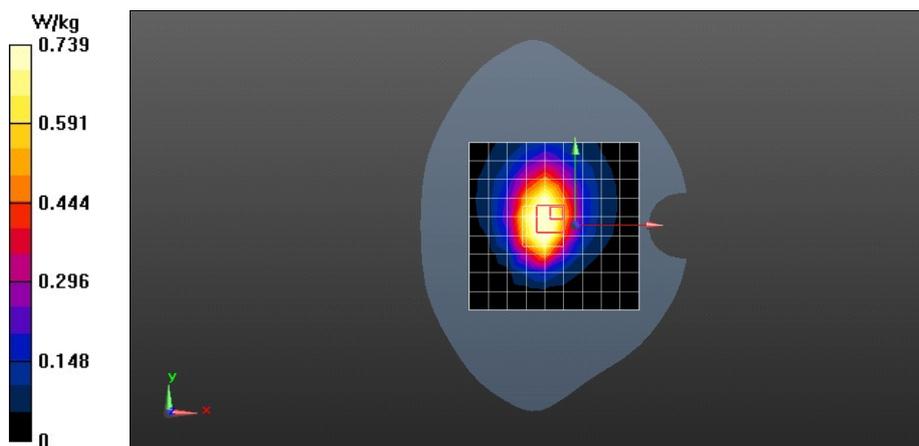
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.029 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.583 W/kg**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.739 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 384CH Right side 0mm

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 836.52 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 56.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.913 W/kg

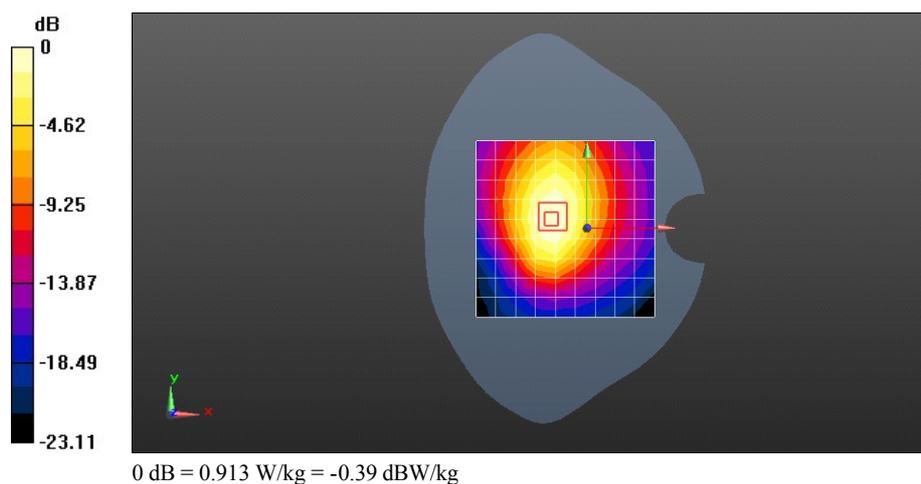
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.387 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.595 W/kg**

Maximum value of SAR (measured) = 0.953 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 1013CH Right side 0mm

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 56.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.908 W/kg

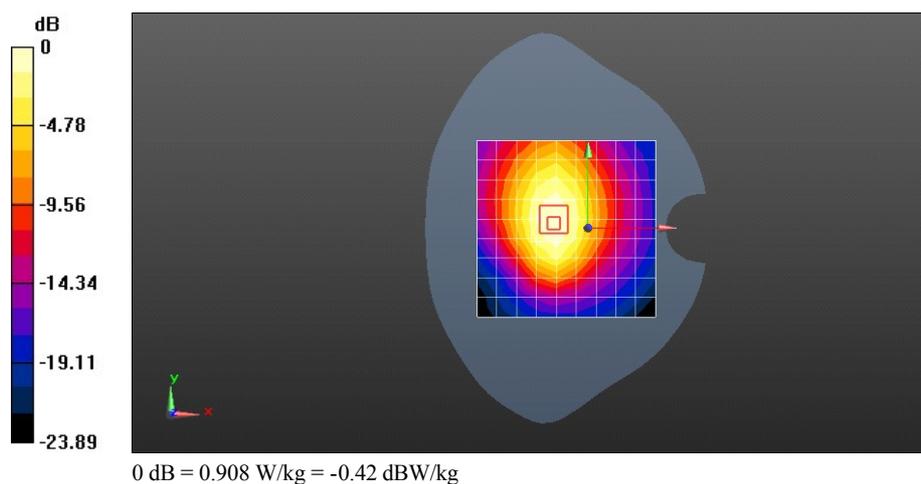
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.734 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.581 W/kg**

Maximum value of SAR (measured) = 0.913 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 1013CH Back side 0mm with DC Power Adapter and battery 1#

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 56.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.650 W/kg

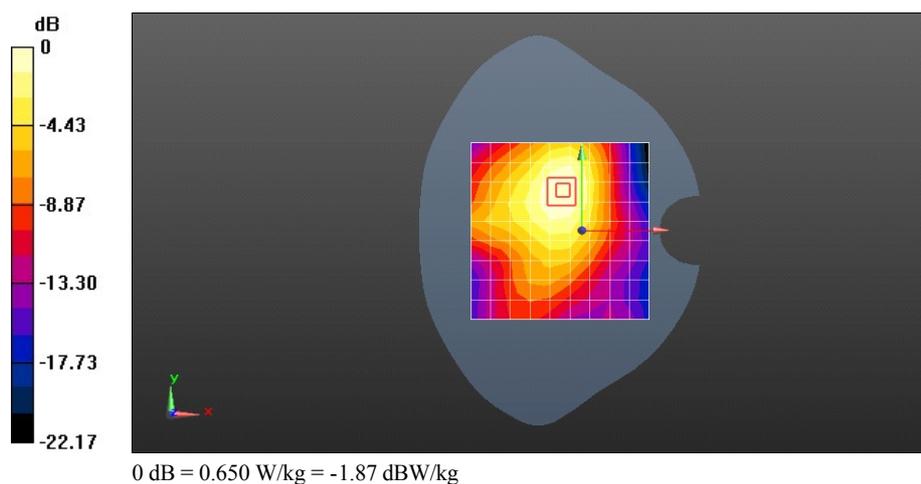
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.444 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.925 W/kg

**SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.450 W/kg**

Maximum value of SAR (measured) = 0.708 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 777CH Right side 0mm with battery 2#

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 56.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

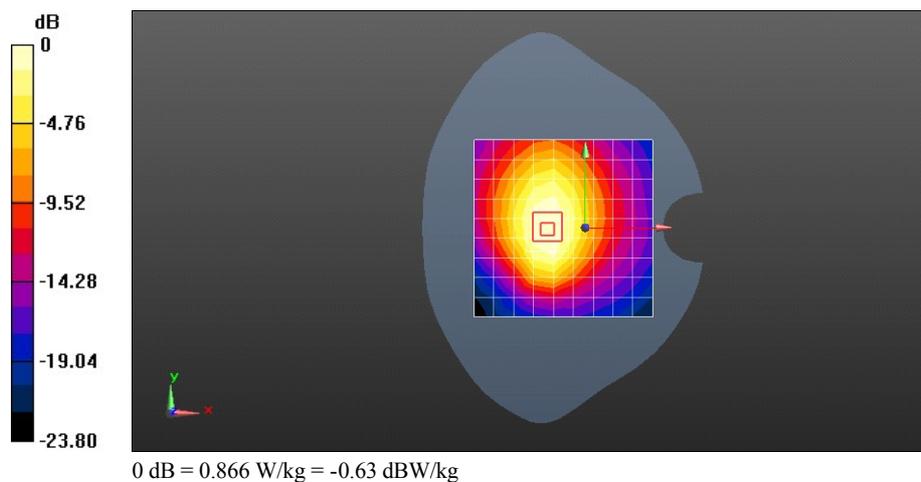
Reference Value = 27.966 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.584 W/kg**

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

Maximum value of SAR (measured) = 0.935 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## F202 CDMA BC0 777CH Right side 0mm with battery 3#

**DUT: F202; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: HW-CDMA 2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 56.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.878 W/kg

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

Reference Value = 26.180 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.588 W/kg**

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

Maximum value of SAR (measured) = 0.938 W/kg

