

Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA850 4182CH Towards Ground 10mm with Handset

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 836.4 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.702$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**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) = 0.580 mW/g

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

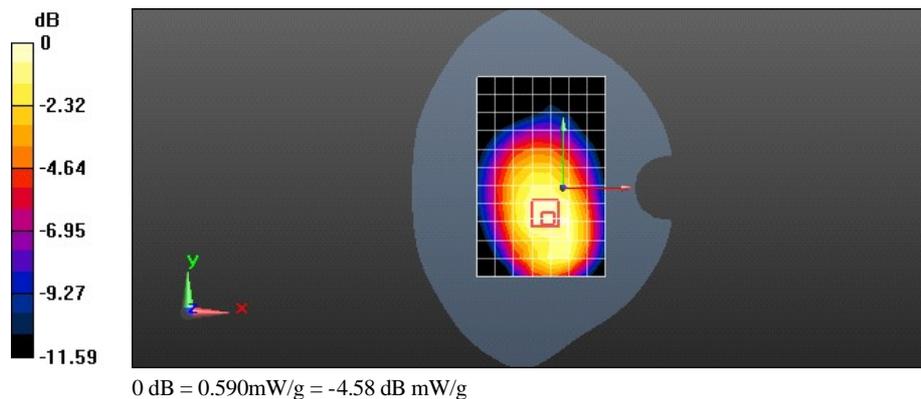
Reference Value = 21.123 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.7680

**SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.404 mW/g**

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

Maximum value of SAR (measured) = 0.593 mW/g



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**U9500 WCDMA1700 1413CH Left hand touch cheek****DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  mho/m;  $\epsilon_r = 40.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.98, 7.98, 7.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.521 mW/g

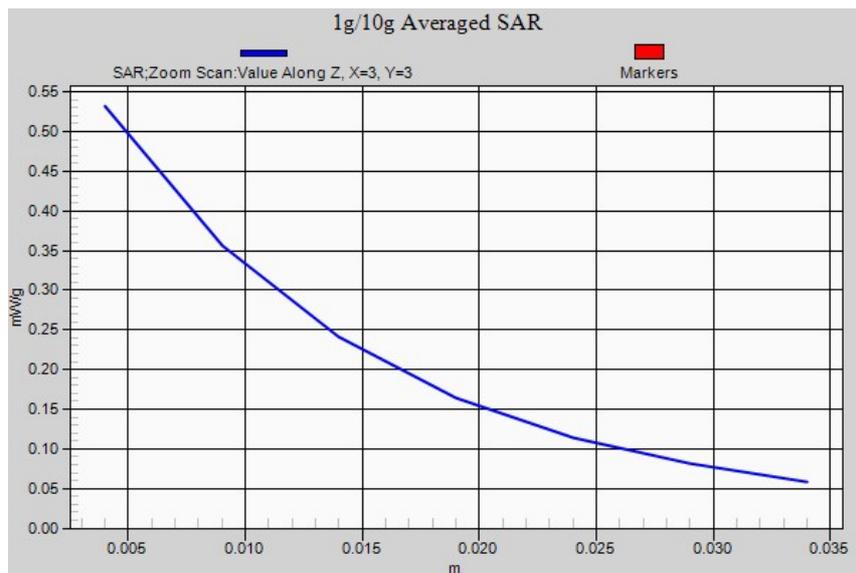
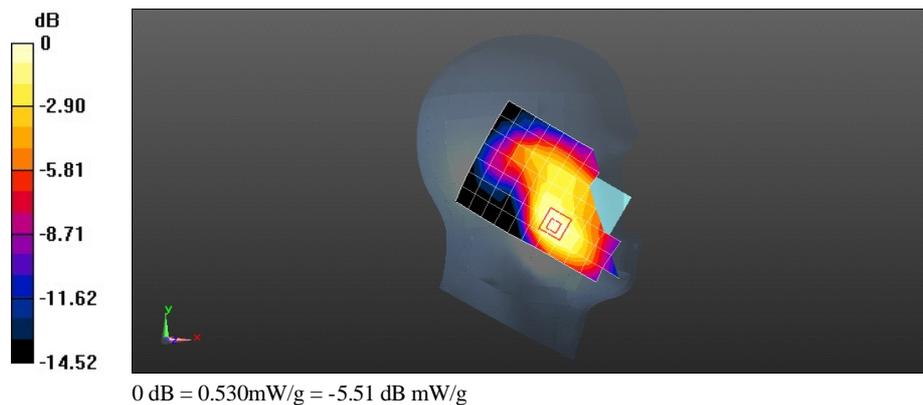
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.147 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.7920

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.532 mW/g



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### U9500 WCDMA1700 1413CH Left hand tilt 15 degree

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  mho/m;  $\epsilon_r = 40.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.98, 7.98, 7.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.188 mW/g

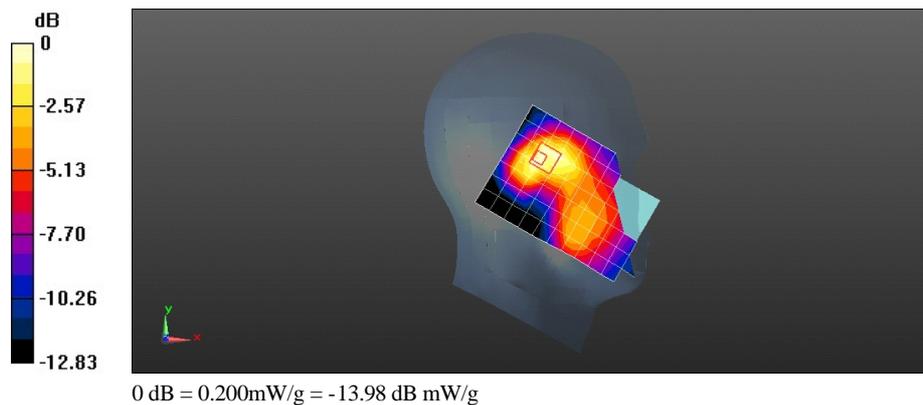
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.124 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.3070

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.112 mW/g**

Maximum value of SAR (measured) = 0.195 mW/g



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### U9500 WCDMA1700 1413CH Right hand touch cheek

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  mho/m;  $\epsilon_r = 40.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.98, 7.98, 7.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.490 mW/g

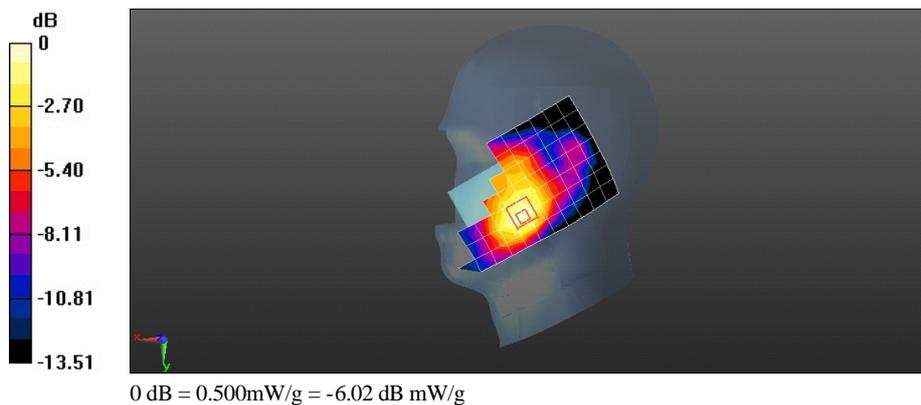
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.461 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.7320

**SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.295 mW/g**

Maximum value of SAR (measured) = 0.503 mW/g



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### U9500 WCDMA1700 1413CH Right hand tilt 15 degree

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  mho/m;  $\epsilon_r = 40.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.98, 7.98, 7.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.132 mW/g

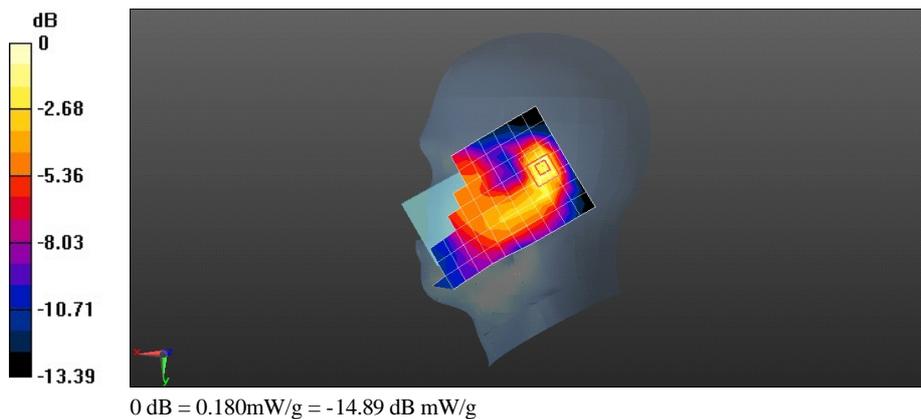
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.255 V/m; Power Drift = 0.0089 dB

Peak SAR (extrapolated) = 0.2750

**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.177 mW/g



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## U9500 WCDMA1700 1413CH Towards Phantom 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.729 mW/g

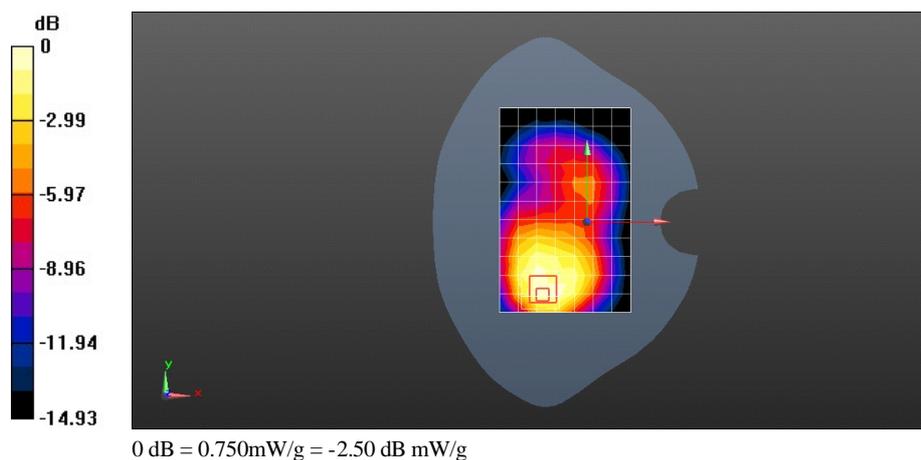
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.058 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.1700

**SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.410 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



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## U9500 WCDMA1700 1413CH Towards Ground 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.826 mW/g

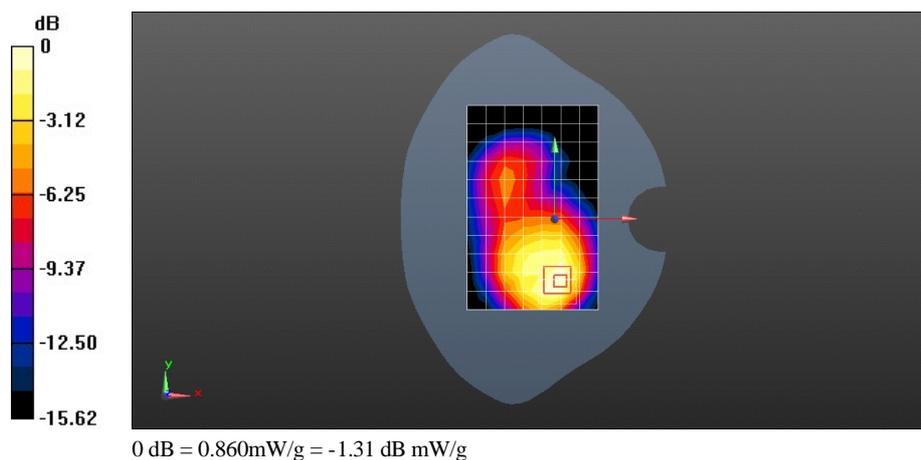
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.295 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.3910

**SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.455 mW/g**

Maximum value of SAR (measured) = 0.864 mW/g



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### U9500 WCDMA1700 1413CH Left edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.411 mW/g

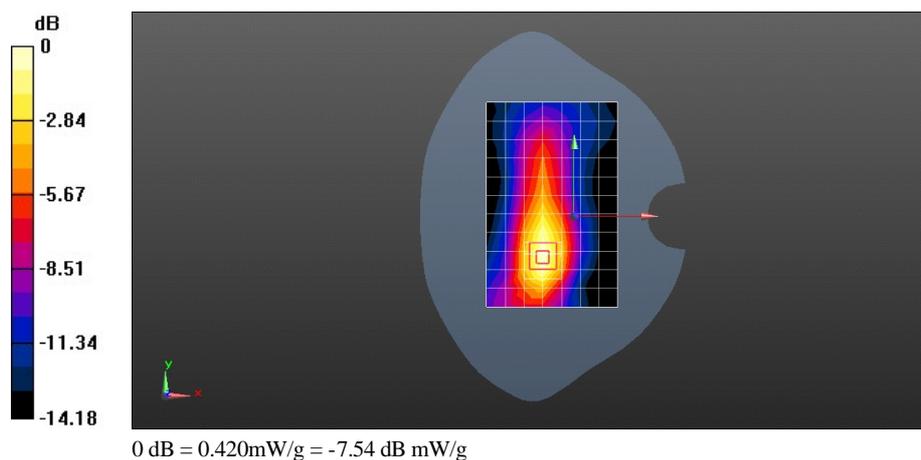
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.157 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.6450

**SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.220 mW/g**

Maximum value of SAR (measured) = 0.418 mW/g



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**U9500 WCDMA1700 1413CH Right edge 10mm****DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.168 mW/g

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

Reference Value = 8.382 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.2690

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.099 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g

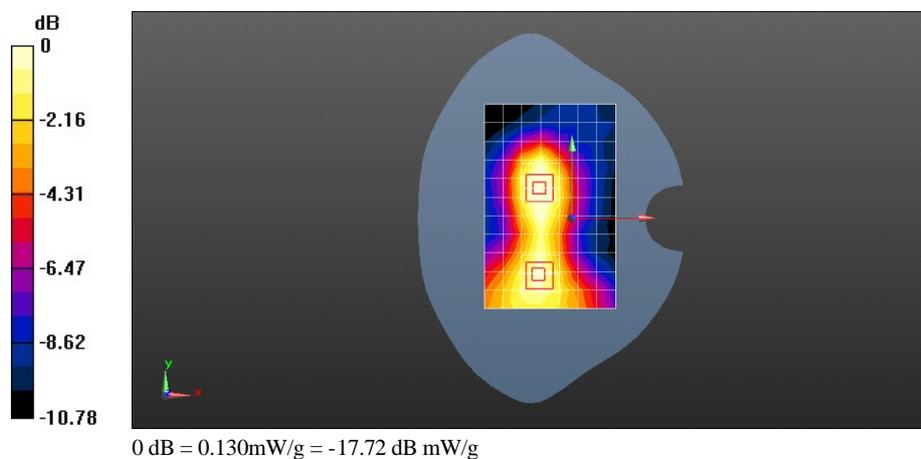
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.382 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.1850

**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.129 mW/g



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### U9500 WCDMA1700 1312CH Bottom edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1712.4 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.436$  mho/m;  $\epsilon_r = 52.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**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) = 1.155 mW/g

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

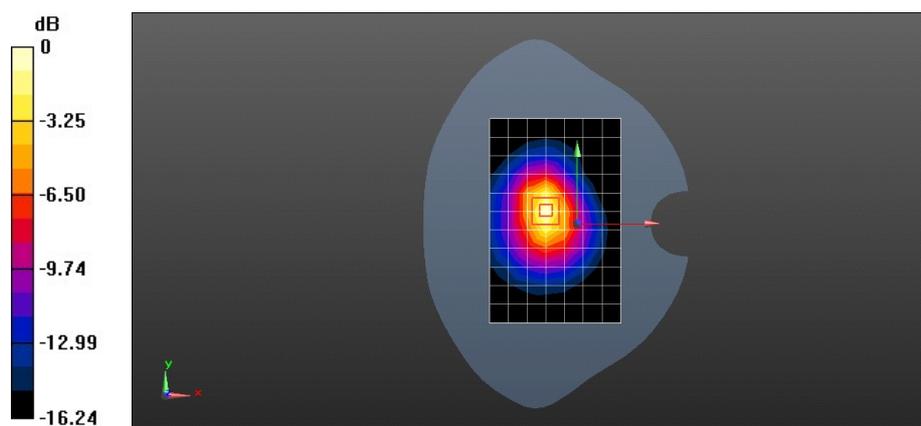
Reference Value = 21.610 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.7000

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.532 mW/g**

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

Maximum value of SAR (measured) = 1.140 mW/g



0 dB = 1.140mW/g = 1.14 dB mW/g

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### U9500 WCDMA1700 1413CH Bottom edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.218 mW/g

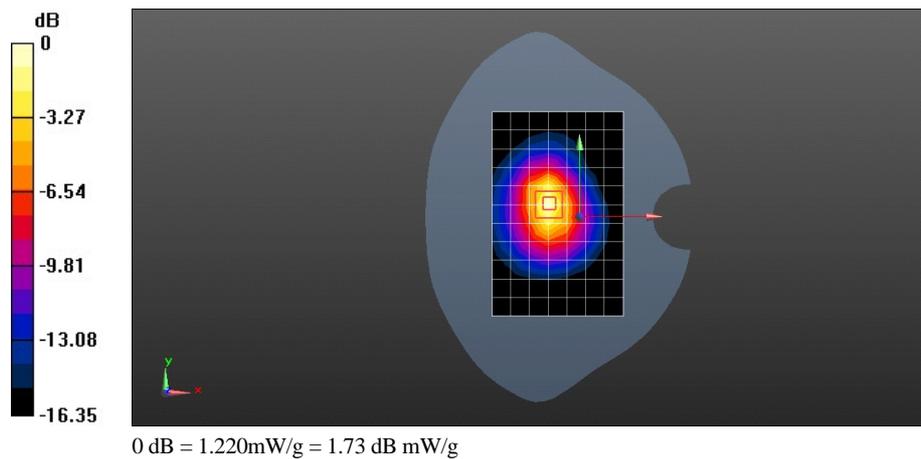
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.617 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.8300

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.571 mW/g**

Maximum value of SAR (measured) = 1.221 mW/g



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**U9500 WCDMA1700 1513CH Bottom edge 10mm**

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

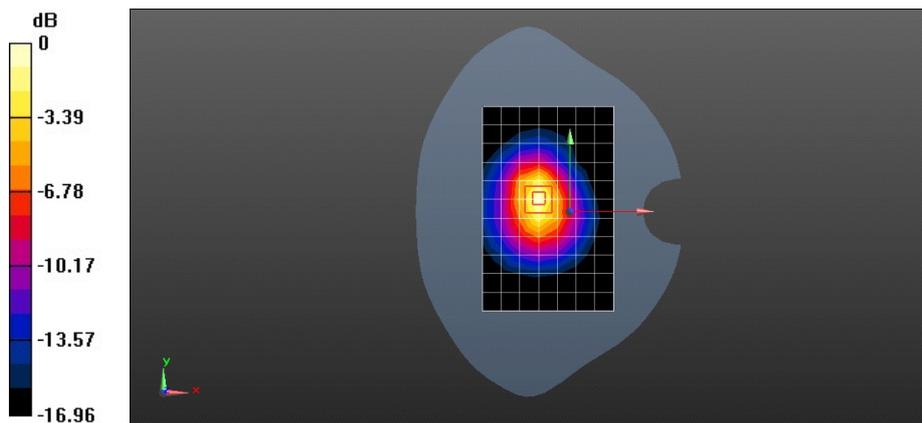
Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1752.6 MHz  
 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r = 52.788$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

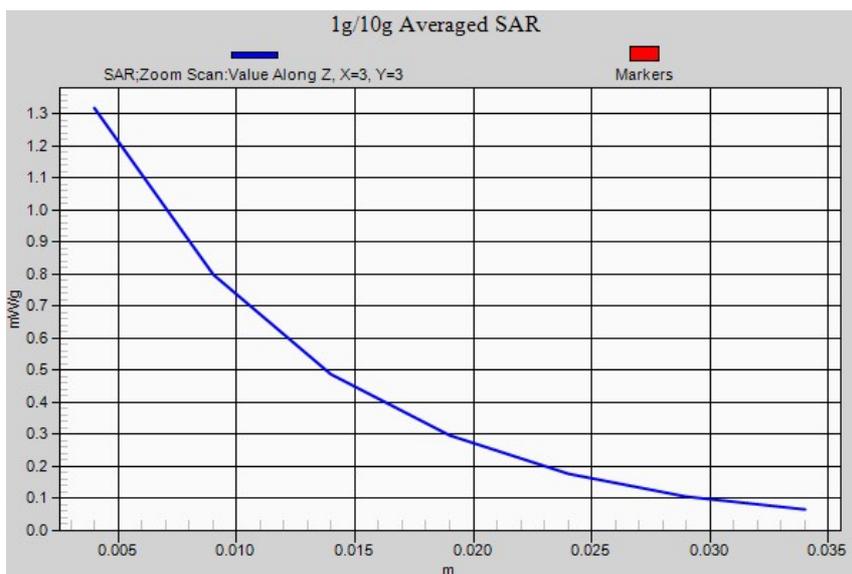
- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 1.311 mW/g

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 22.989 V/m; Power Drift = 0.08 dB  
 Peak SAR (extrapolated) = 1.9750  
**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.617 mW/g**  
 Maximum value of SAR (measured) = 1.317 mW/g



0 dB = 1.320mW/g = 2.41 dB mW/g



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### U9500 WCDMA1700 1513CH Bottom edge 10mm with HSDPA

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1752.6 MHz

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r = 52.788$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.092 mW/g

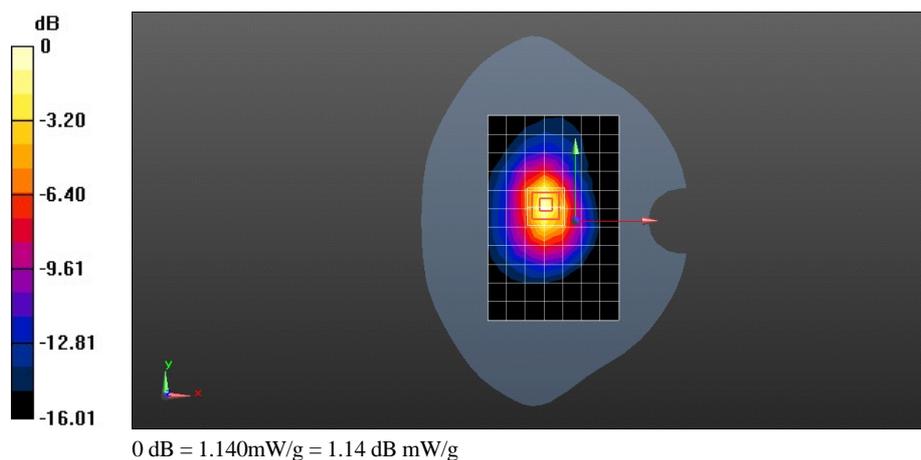
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.883 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.7410

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.521 mW/g**

Maximum value of SAR (measured) = 1.141 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1700 1513CH Bottom edge 10mm with HSUPA

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1752.6 MHz

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r = 52.788$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.029 mW/g

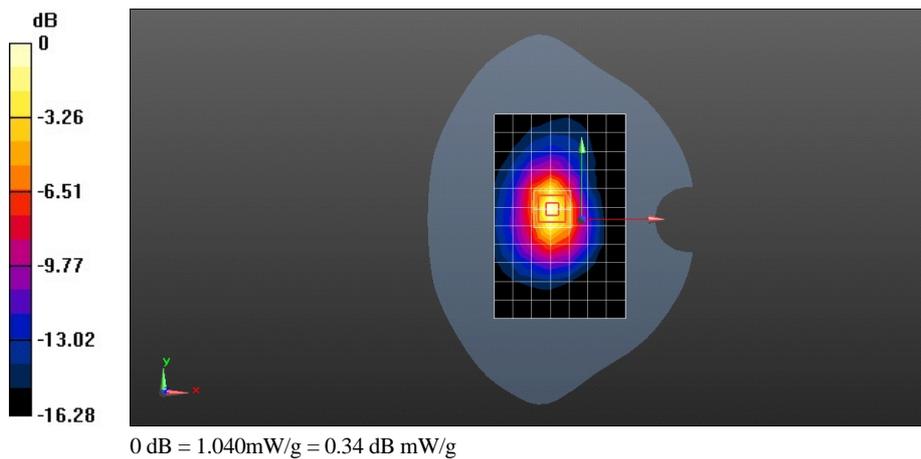
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.488 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.5890

**SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.469 mW/g**

Maximum value of SAR (measured) = 1.041 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1700 1413CH Towards Ground 10mm with Headset

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1732.6 MHz

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 52.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.49, 7.49); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.828 mW/g

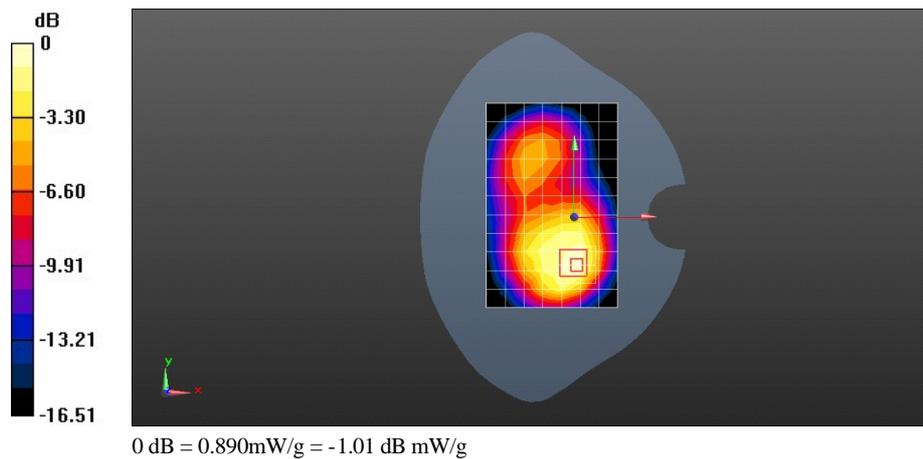
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.379 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.4050

**SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.892 mW/g



Test Laboratory: HUAWEI SAR Lab

**U9500 WCDMA1900 9400CH Left hand touch check****DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.389$  mho/m;  $\epsilon_r = 38.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.444 mW/g

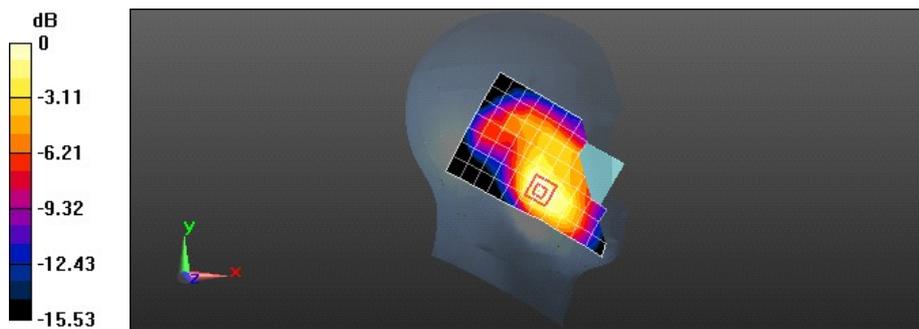
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.926 V/m; Power Drift = 0.12 dB

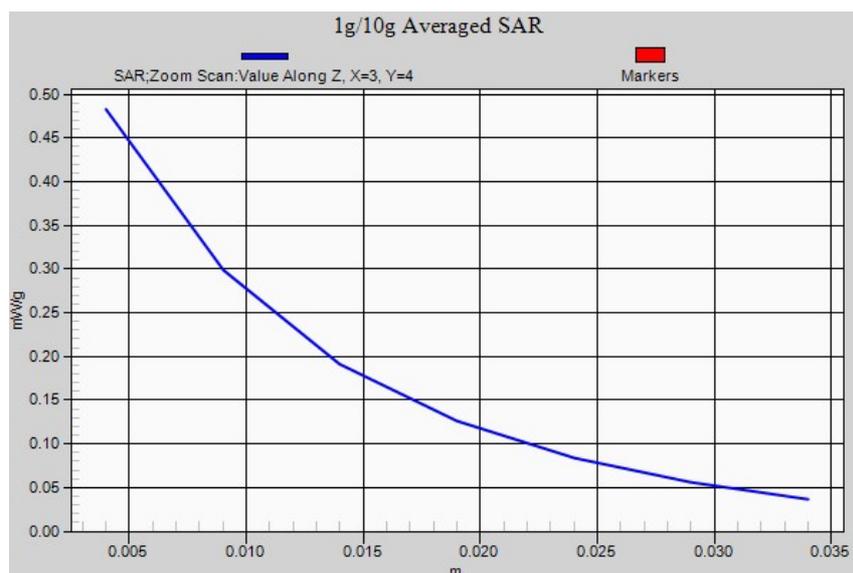
Peak SAR (extrapolated) = 0.7310

**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.268 mW/g**

Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Left hand tilt 15 degree

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.389$  mho/m;  $\epsilon_r = 38.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.230 mW/g

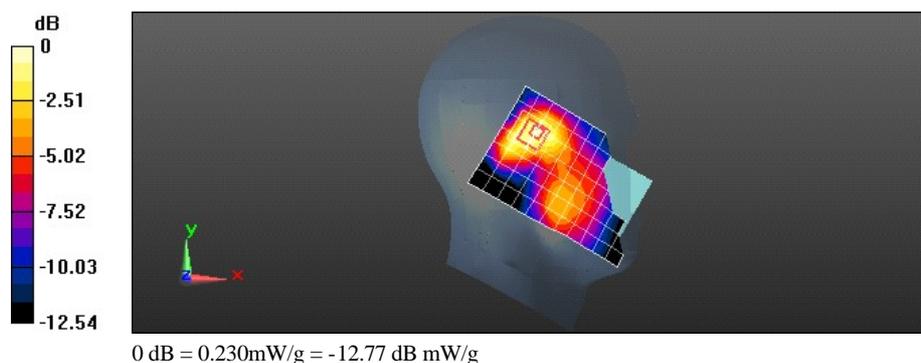
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.754 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.3290

**SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.231 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Right hand touch check

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.389$  mho/m;  $\epsilon_r = 38.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.418 mW/g

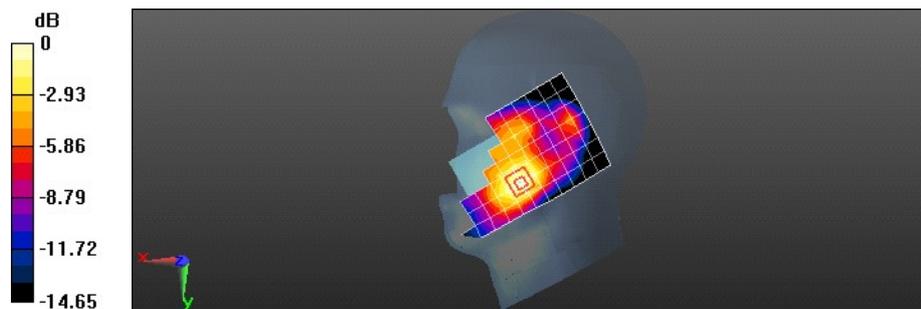
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.321 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.6080

**SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.234 mW/g**

Maximum value of SAR (measured) = 0.422 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Right hand tilt 15 degree

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.389$  mho/m;  $\epsilon_r = 38.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.273 mW/g

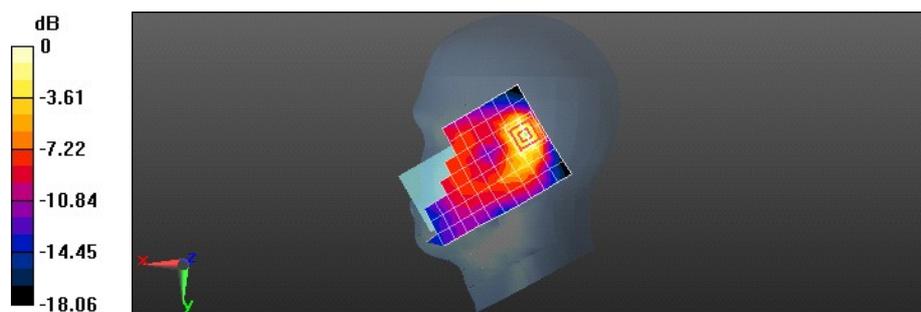
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.585 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.4990

**SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.310mW/g = -10.17 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Towards Phantom 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.578 mW/g

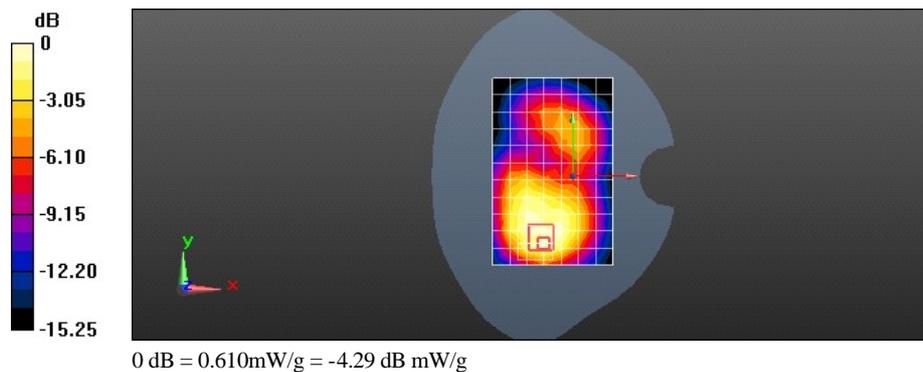
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.646 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.9540

**SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.614 mW/g



Test Laboratory: HUAWEI SAR Lab

## U9500 WCDMA1900 9400CH Towards Ground 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.749 mW/g

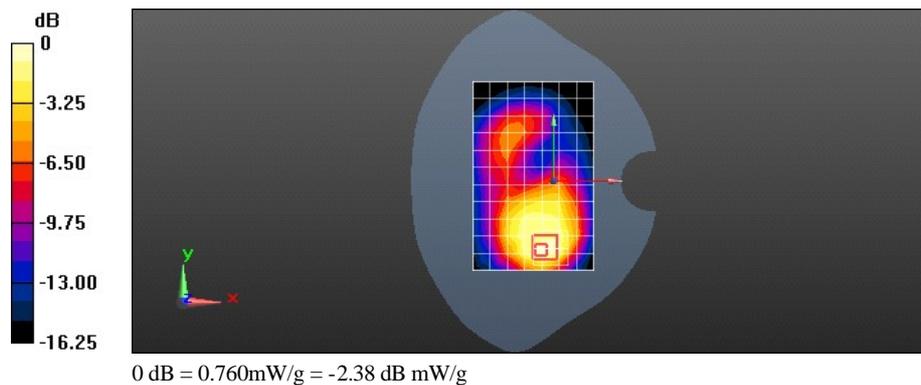
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.964 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.1670

**SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.392 mW/g**

Maximum value of SAR (measured) = 0.763 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Left edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.324 mW/g

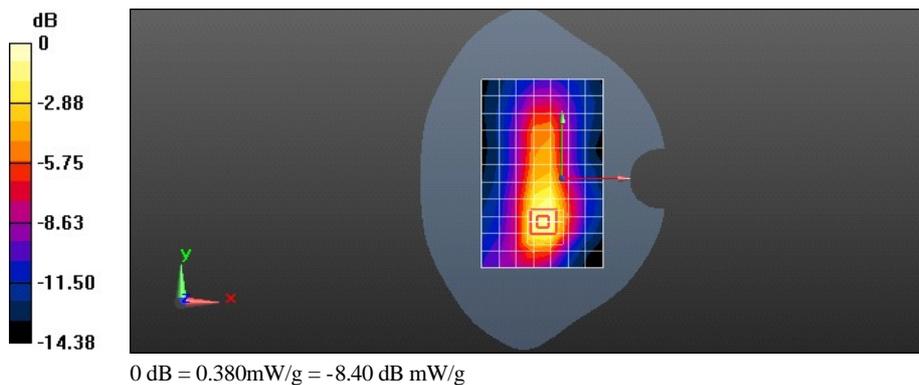
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.485 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.6820

**SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.201 mW/g**

Maximum value of SAR (measured) = 0.380 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Right edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.159 mW/g

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

Reference Value = 7.156 V/m; Power Drift = 0.0088 dB

Peak SAR (extrapolated) = 0.2340

**SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.162 mW/g

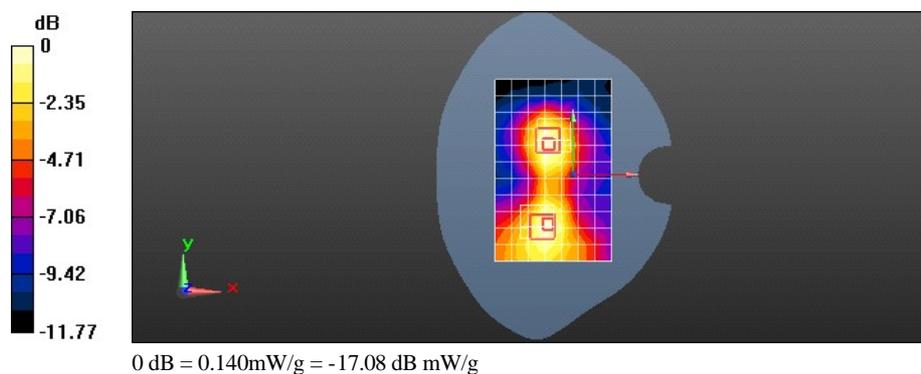
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.156 V/m; Power Drift = 0.0088 dB

Peak SAR (extrapolated) = 0.3140

**SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.144 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9262CH Bottom edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.475$  mho/m;  $\epsilon_r = 52.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**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) = 1.141 mW/g

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

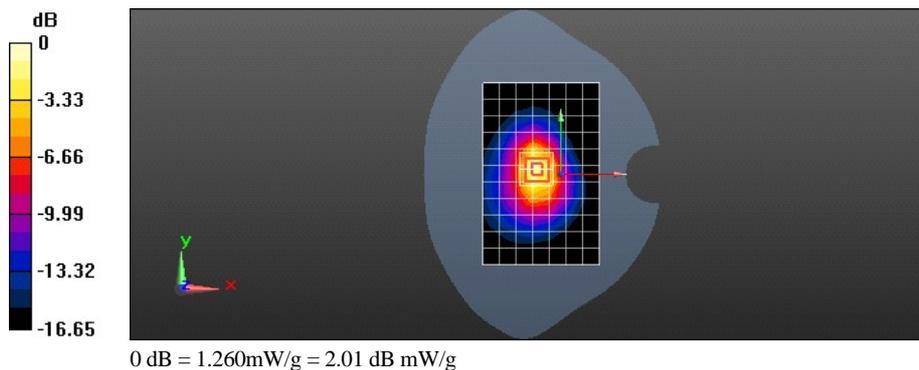
Reference Value = 27.252 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.9940

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.574 mW/g**

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

Maximum value of SAR (measured) = 1.264 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Bottom edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.146 mW/g

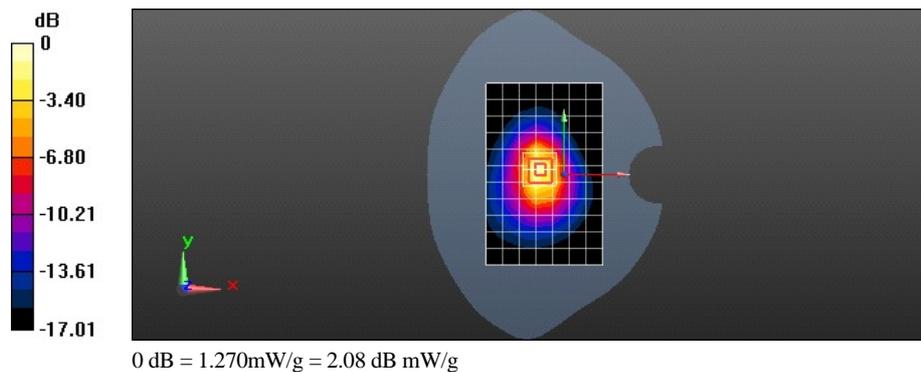
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.989 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.0330

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.575 mW/g**

Maximum value of SAR (measured) = 1.275 mW/g



Test Laboratory: HUAWEI SAR Lab

**U9500 WCDMA1900 9538CH Bottom edge 10mm**

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

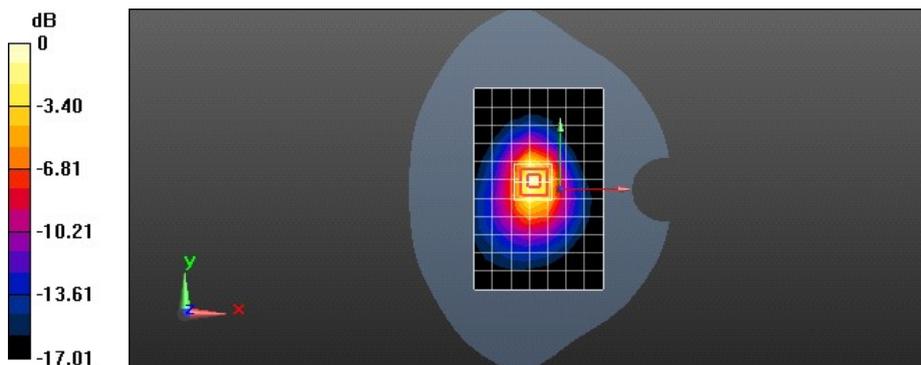
Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz  
 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

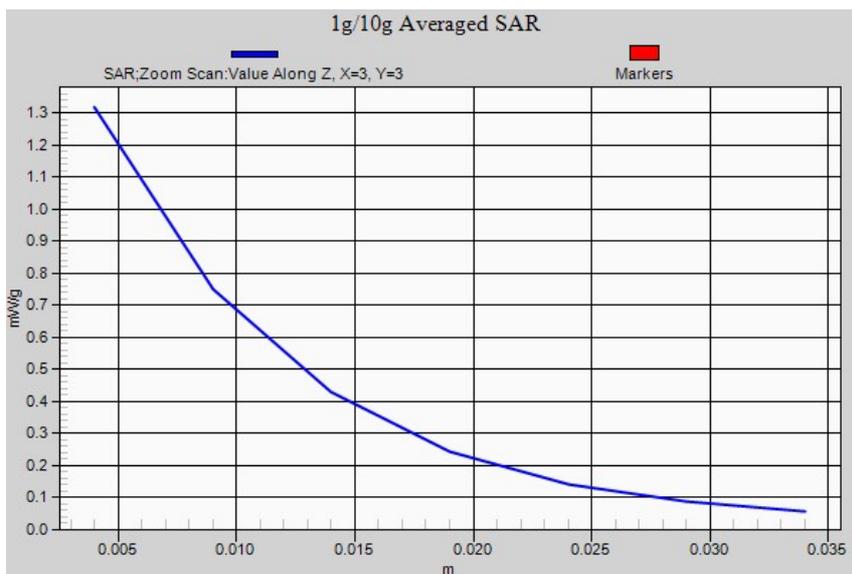
- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 1.203 mW/g

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 26.555 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 2.1540  
**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.598 mW/g**  
 Maximum value of SAR (measured) = 1.318 mW/g



0 dB = 1.320mW/g = 2.41 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9538CH Bottom edge 10mm with HSDPA

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.170 mW/g

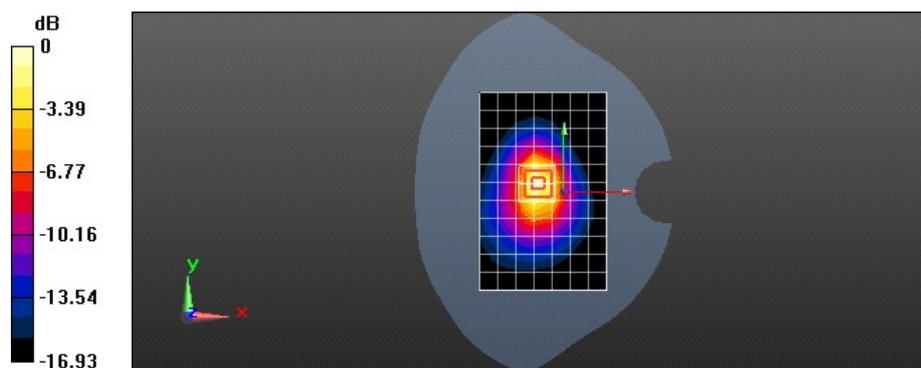
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.018 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.0880

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.580 mW/g**

Maximum value of SAR (measured) = 1.280 mW/g



0 dB = 1.280mW/g = 2.14 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9538CH Bottom edge 10mm with HSUPA

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.795 mW/g

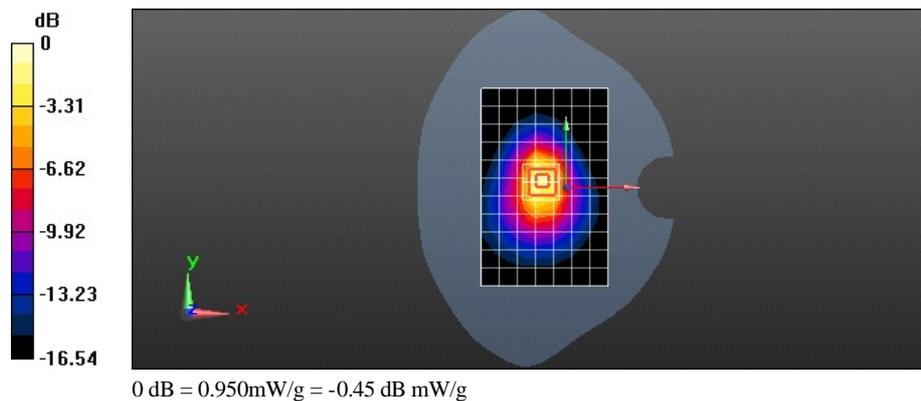
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.193 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.5390

**SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.426 mW/g**

Maximum value of SAR (measured) = 0.947 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WCDMA1900 9400CH Towards Ground 10mm with Headset

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.711 mW/g

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

Reference Value = 5.790 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.2240

**SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.400 mW/g**

Maximum value of SAR (measured) = 0.807 mW/g

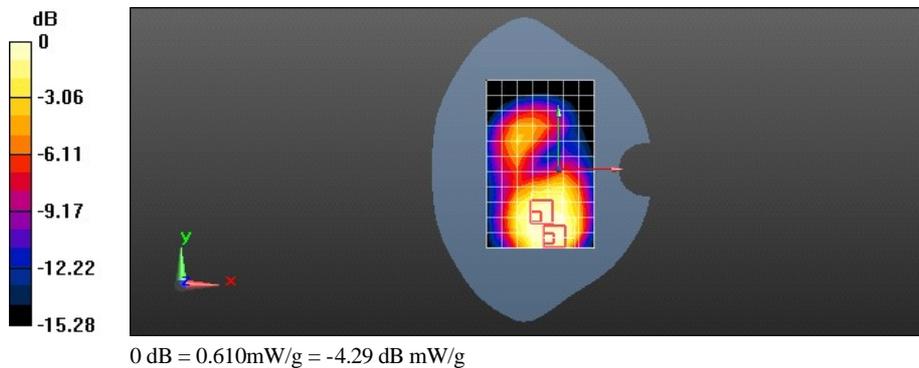
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.790 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.9070

**SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.329 mW/g**

Maximum value of SAR (measured) = 0.610 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Left hand touch cheek

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.79$  mho/m;  $\epsilon_r = 39.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.86, 6.86, 6.86); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.097 mW/g

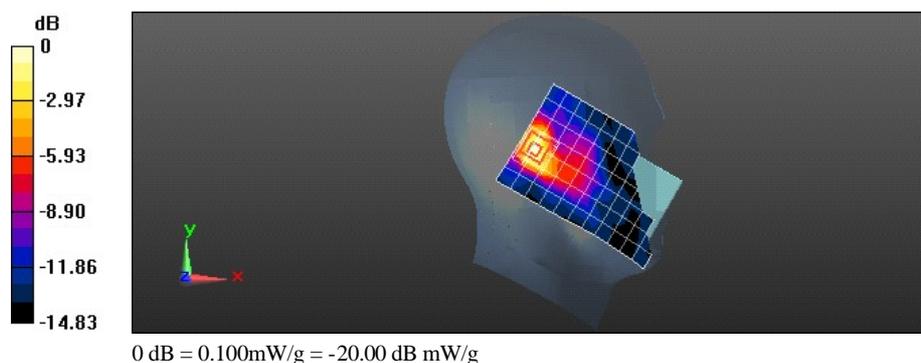
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.049 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.1700

**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.041 mW/g**

Maximum value of SAR (measured) = 0.098 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Left hand tilt 15 degree

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.79$  mho/m;  $\epsilon_r = 39.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.86, 6.86, 6.86); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.140 mW/g

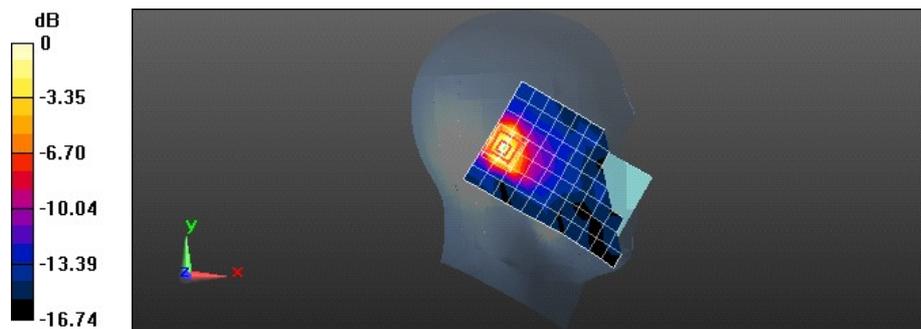
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.345 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.2720

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.143 mW/g



0 dB = 0.140mW/g = -17.08 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Right hand touch cheek

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.79$  mho/m;  $\epsilon_r = 39.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.86, 6.86, 6.86); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.098 mW/g

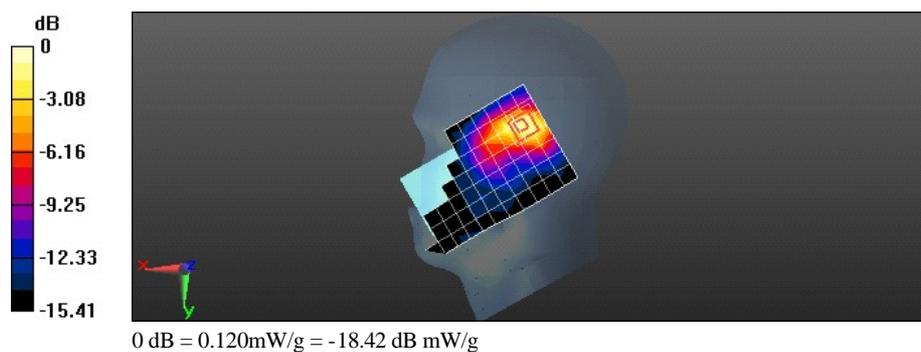
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.021 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.2210

**SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.121 mW/g



Test Laboratory: HUAWEI SAR Lab

**U9500 WiFi 11b 6CH Right hand tilt 15 degree****DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.79$  mho/m;  $\epsilon_r = 39.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.86, 6.86, 6.86); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.123 mW/g

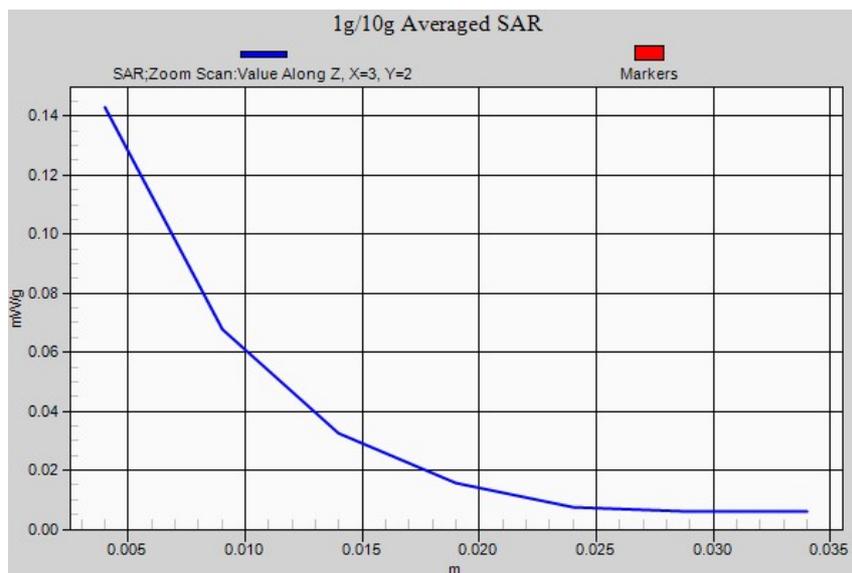
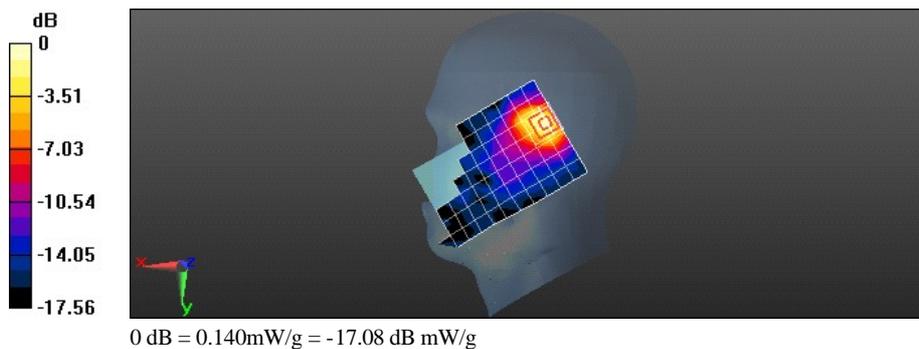
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.721 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.2900

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.143 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Towards Phantom 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  mho/m;  $\epsilon_r = 51.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.98, 6.98, 6.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.034 mW/g

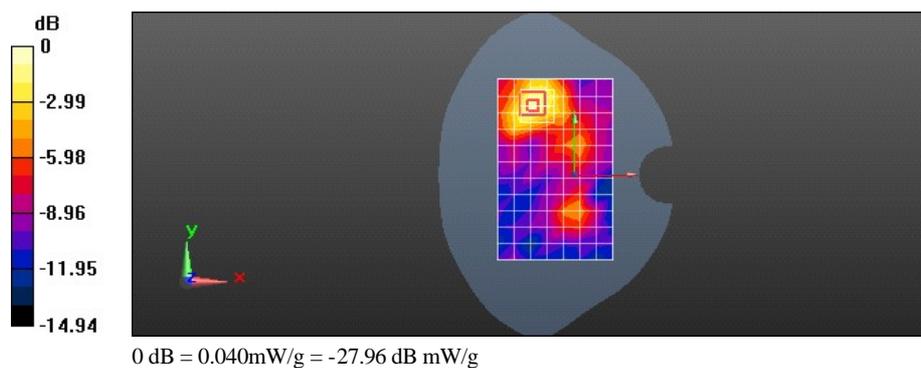
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.653 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0710

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.018 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Towards Ground 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  mho/m;  $\epsilon_r = 51.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.98, 6.98, 6.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.055 mW/g

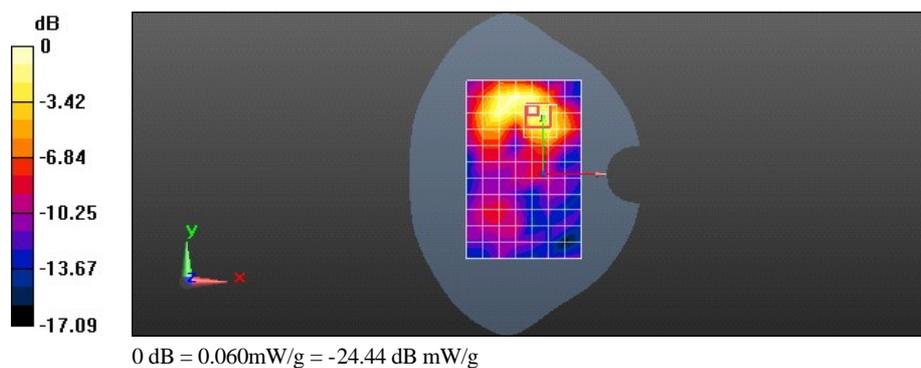
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.962 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0950

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.060 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Left edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  mho/m;  $\epsilon_r = 51.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.98, 6.98, 6.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.014 mW/g

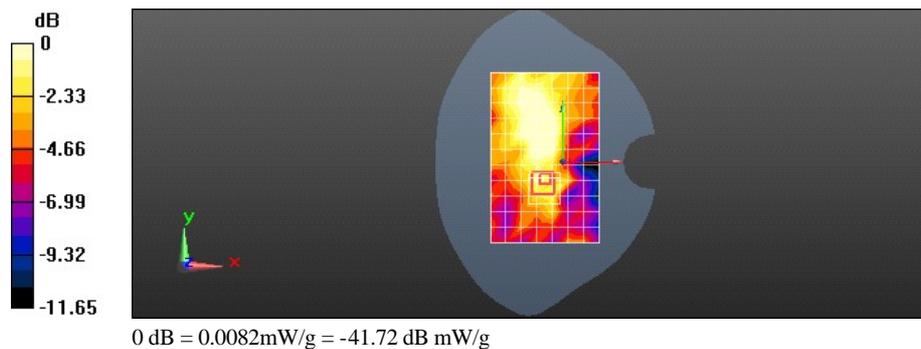
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.877 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0260

**SAR(1 g) = 0.00679 mW/g; SAR(10 g) = 0.00263 mW/g**

Maximum value of SAR (measured) = 0.00822 mW/g



Test Laboratory: HUAWEI SAR Lab

### U9500 WiFi 11b 6CH Right edge 10mm

**DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  mho/m;  $\epsilon_r = 51.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.98, 6.98, 6.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.012 mW/g

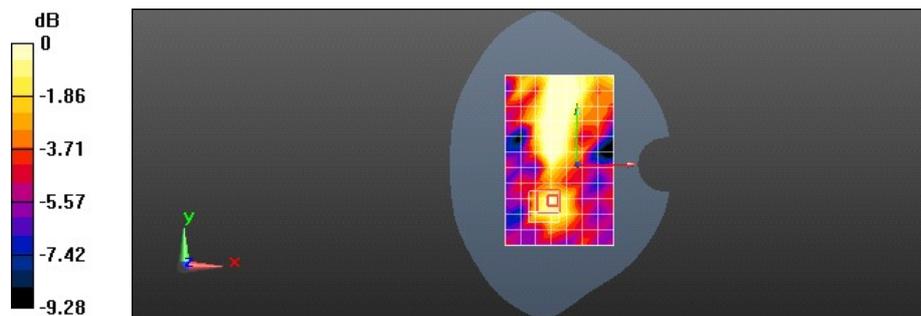
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.748 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0250

**SAR(1 g) = 0.00728 mW/g; SAR(10 g) = 0.00272 mW/g**

Maximum value of SAR (measured) = 0.00806 mW/g



0 dB = 0.0081mW/g = -41.83 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**U9500 WiFi 11b 6CH Top edge 10mm****DUT: U9500; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR2**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  mho/m;  $\epsilon_r = 51.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.98, 6.98, 6.98); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.116 mW/g

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

Reference Value = 5.978 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.2020

**SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.046 mW/g**