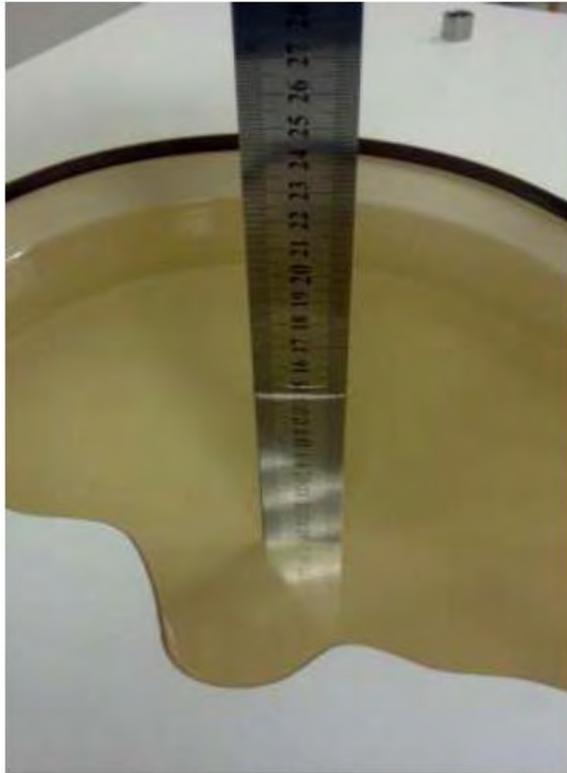


<b>SONY</b>	Sony Mobile Communications (China) Co., Ltd. Test Laboratory	Report No.: TARC-PM-0820-BV- SAR-FCC-03	
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## **APPENDIX A: LIQUID DEPTH**

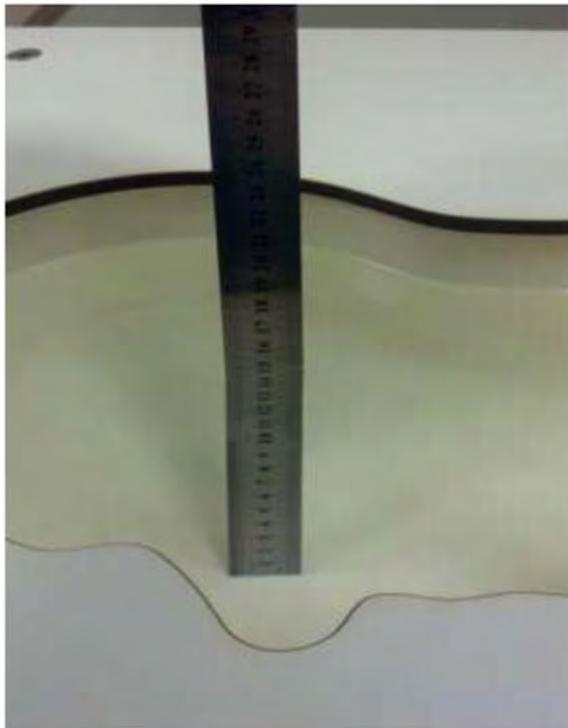
<b>SONY</b>	Sony Mobile Communications (China) Co., Ltd. Test Laboratory	Report No.: TARC-PM-0820-BV- SAR-FCC-03	
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**850MHz Head**



**850MHz Body**



**1800MHz Head**



**1800MHz Body**

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**1900MHz Head**



**1900MHz Body**



**2450MHz Head**



**2450MHz Body**

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## **APPENDIX B: SYSTEM VALIDATION RESULTS**

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	PM-0820-BV SAR FCC Test Report	Edition 3	Revision 0

Date/Time: 6/12/2014 1:12:44 PM

Test Laboratory: GTA-Beijing

**HSL1900\_System check\_20140612**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d093**

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.419$  S/m;  $\epsilon_r = 38.591$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.33, 7.33, 7.33); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000P40CD; Serial: TP1697
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

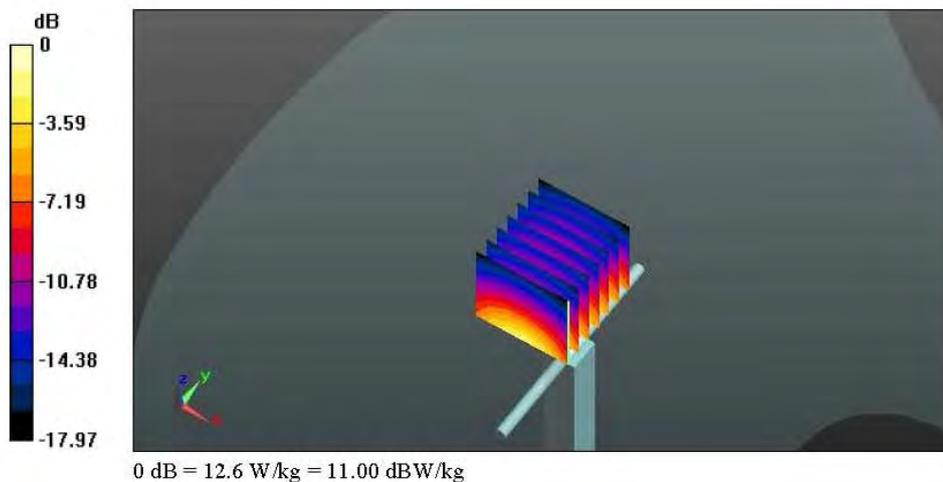
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 82.07 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 18.6 W/kg

**SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.12 W/kg**

Maximum value of SAR (measured) = 12.6 W/kg



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Date/Time: 6/4/2014 1:03:53 PM

Test Laboratory: GTA-Beijing

HSL1900\_System check\_20140604

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d093**

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz);  
Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.41 \text{ S/m}$ ;  $\epsilon_r = 39.035$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.33, 7.33, 7.33); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000P40CD; Serial: TP1697
- DASYS 52.8.8(1222); SEMCAD X 14.6.10(7331)

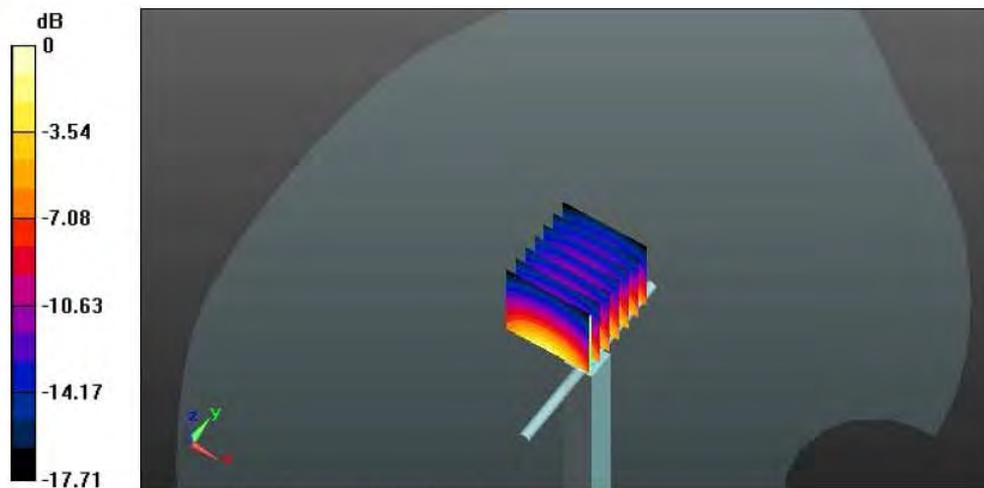
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 86.71 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.7 W/kg

**SAR(1 g) = 9.91 W/kg; SAR(10 g) = 5.12 W/kg**

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg = 11.04 dBW/kg

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Date/Time: 7/3/2014 6:38:23 PM

Test Laboratory: GTA-Beijing

**HSL1900\_System check\_20140 703**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d093**

Communication System: UID 0, CW, Communication System Band: D1900 (1900.0 MHz), Frequency: 1900 MHz, Communication System PAR: 0 dB, PMF: 1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.361$  S/m;  $\epsilon_r = 38.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.33, 7.33, 7.33); Calibrated: 2/21/2014;
  - Modulation Compensation
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DA E4 Sx E54; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000P40CD; Serial: TP1697
- DASY 52 S2.8.8(1222); SEMCAD X 14.6.1Q(7331)

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Area Scan (61x101x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.3 W/kg

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

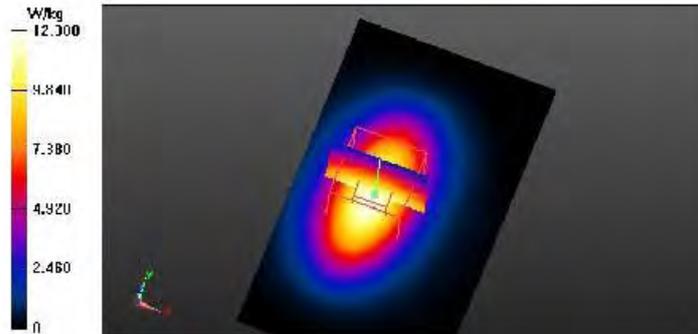
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 79.76 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 9.64 W/kg; SAR(10 g) = 4.99 W/kg**

Maximum value of SAR (measured) = 12.3 W/kg



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Date/Time: 7/3/2014 9:01:40 PM

Test Laboratory: GTA-Beijing

**GSM835 Head Validation\_20140703**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d061**

Communication System: UID 0, CW; Communication System Band: D835 (835.0MHz) Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.873 \text{ S/m}$ ;  $\epsilon_r = 42.071$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.33, 6.33, 6.33); Calibrated: 12/19/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: SAM with CRP v4.0\_1488; Type: QD000P40CC; Serial: TP:1488
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/835MHz Head\_Validation/Area Scan (61x181x1):** Interpolated grid:

$dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 2.35 W/kg

**Configuration/835MHz Head\_Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 51.94 V/m; Power Drift = 0.02 dB

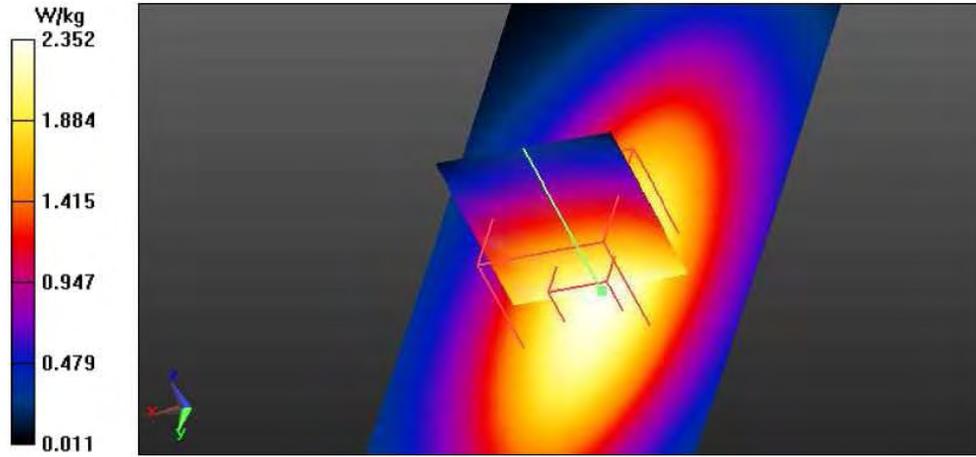
Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg**

Maximum value of SAR (measured) = 2.36 W/kg

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<b>SONY</b>	Sony Mobile Communications (China) Co., Ltd. Test Laboratory	Report No.: TARC-PM-0820-BV- SAR-FCC-03
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Date/Time: 6/3/2014 11:48:10 AM

Test Laboratory: GTA-Beijing

**GSM900 Head\_validation\_20140603**

**DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:1d065**

Communication System: UID 0, CW; Communication System Band: D900 (900.0 MHz); Frequency: 900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.934 \text{ S/m}$ ;  $\epsilon_r = 41.673$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.33, 6.33, 6.33); Calibrated: 12/19/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: SAM with CRP v4.0\_1488; Type: QD000P40CC; Serial: TP:1488
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**GSM900 Head System validation/Validation/Zoom Scan (7x7x7)/Cube 0: Measurement**

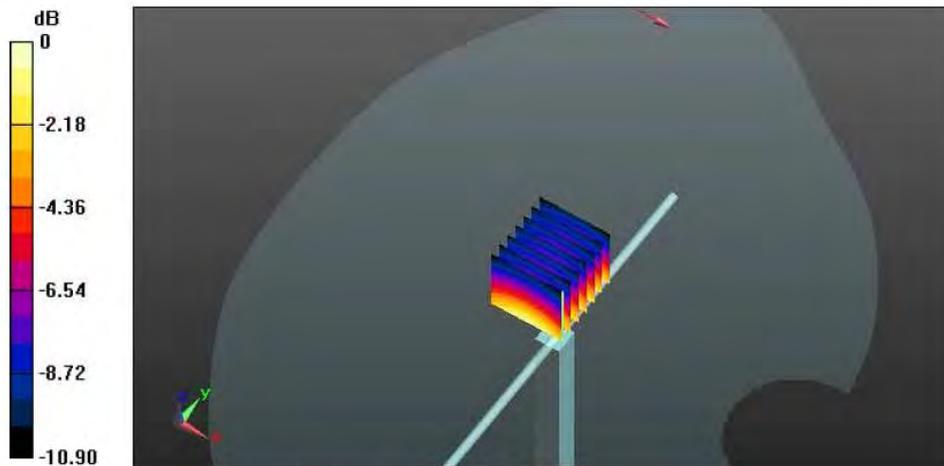
grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 52.84 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.54 W/kg**

Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 2.59 W/kg = 4.13 dBW/kg

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Date/Time: 5/28/2014 10:50:45 AM

Test Laboratory: GTA-Beijing

**HSL2450\_System check\_20140528**

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:806**

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.895$  S/m;  $\epsilon_r = 38.207$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.66, 6.66, 6.66); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

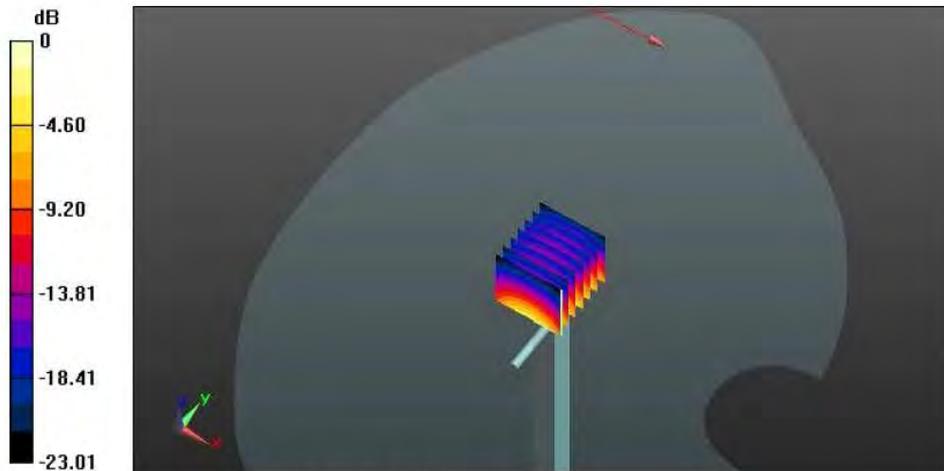
(7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 95.14 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 27.9 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.98 W/kg**

Maximum value of SAR (measured) = 17.4 W/kg



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Date/Time: 6/11/2014 9:51:22 AM

Test Laboratory: GTA-Beijing

**HSL2600\_System check\_20140611**

**DUT: Dipole D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1012**

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz);  
Frequency: 2600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.101$  S/m;  $\epsilon_r = 37.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.44, 6.44, 6.44); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

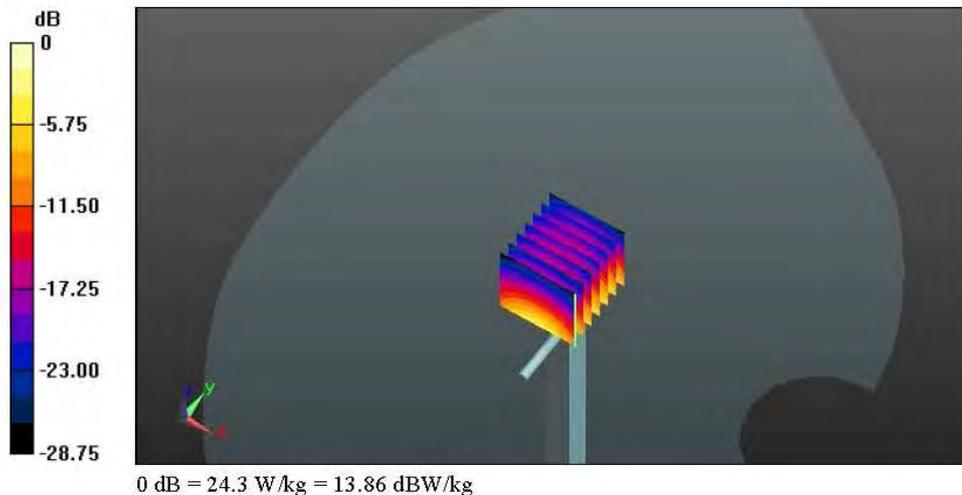
(7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 98.12 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 34.2 W/kg

**SAR(1 g) = 15.3 W/kg; SAR(10 g) = 6.65 W/kg**

Maximum value of SAR (measured) = 24.3 W/kg



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Date/Time: 6/6/2014 10:33:27 AM

Test Laboratory: GTA-Beijing

**MSL1900\_System check\_20140606**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d093**

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz);  
Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 51.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.31, 7.31, 7.31); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

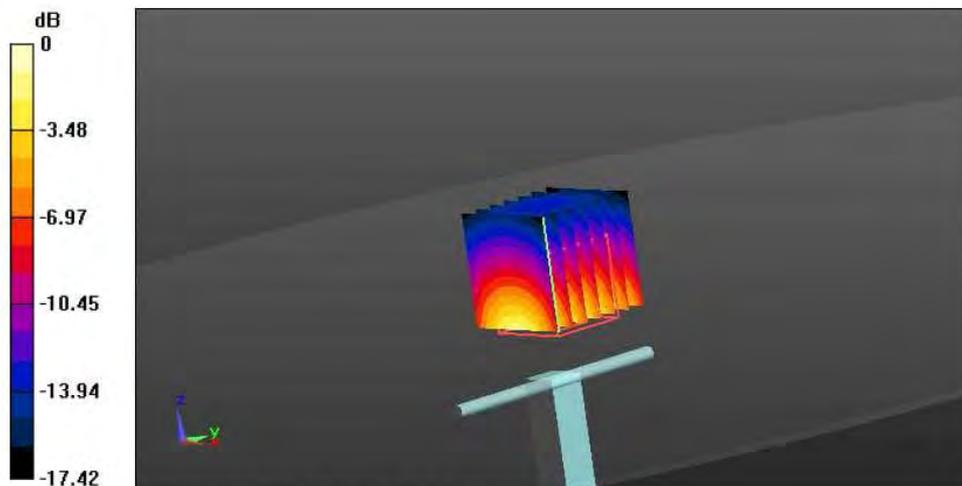
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 88.57 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 16.9 W/kg

**SAR(1 g) = 9.47 W/kg; SAR(10 g) = 4.95 W/kg**

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

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<b>SONY</b>	Sony Mobile Communications (China) Co., Ltd. Test Laboratory	Report No.: TARC-PM-0820-BV-SAR-FCC-03	
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Date/Time: 6/4/2014 4:25:45 PM

Test Laboratory: GTA-Beijing

**MSL1900\_System check\_20140604**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d093**

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.536$  S/m;  $\epsilon_r = 50.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.31, 7.31, 7.31); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP.xxxx
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

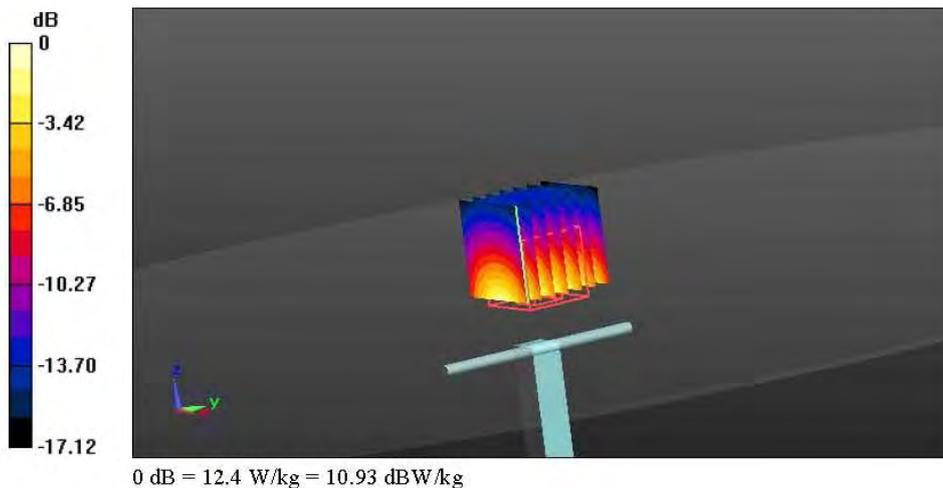
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 90.07 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.13 W/kg**

Maximum value of SAR (measured) = 12.4 W/kg



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Date/Time: 6/4/2014 11:38:00 AM

Test Laboratory: GTA-Beijing

**GSM835 Body Validation\_20140604**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d061**

Communication System: UID 0, CW; Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 52.624$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(5.96, 5.96, 5.96); Calibrated: 12/19/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: ELI v4.0\_1041; Type: QDOVA001BB; Serial: TP:1041
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/835MHz Head\_Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid:**

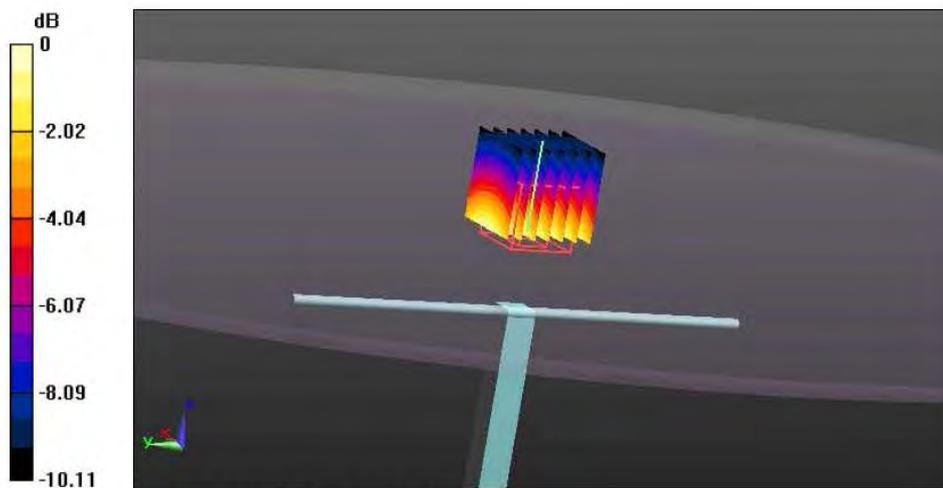
$dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 51.77 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.45 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.56 W/kg**

Maximum value of SAR (measured) = 2.56 W/kg



0 dB = 2.56 W/kg = 4.08 dBW/kg

<b>SONY</b>	Sony Mobile Communications (China) Co., Ltd. Test Laboratory	Report No.: TARC-PM-0820-BV-SAR-FCC-03	
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Date/Time: 6/9/2014 11:16:13 AM

Test Laboratory: GTA-Beijing

**MSL2450\_System check\_20140609**

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:806**

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.048$  S/m;  $\epsilon_r = 50.601$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3843; ConvF(6.6, 6.6, 6.6); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

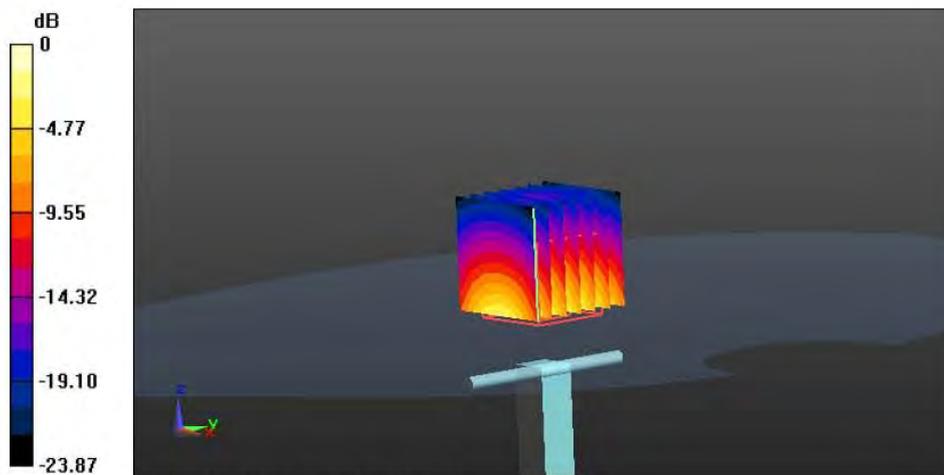
(7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 87.17 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 26.8 W/kg

**SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.91 W/kg**

Maximum value of SAR (measured) = 19.7 W/kg



0 dB = 19.7 W/kg = 12.94 dBW/kg

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Test Laboratory: GTA-Beijing

**MSL2450\_System check\_20140530**

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:806**

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.957$  S/m;  $\epsilon_r = 50.097$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3843; ConvF(6.6, 6.6, 6.6); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

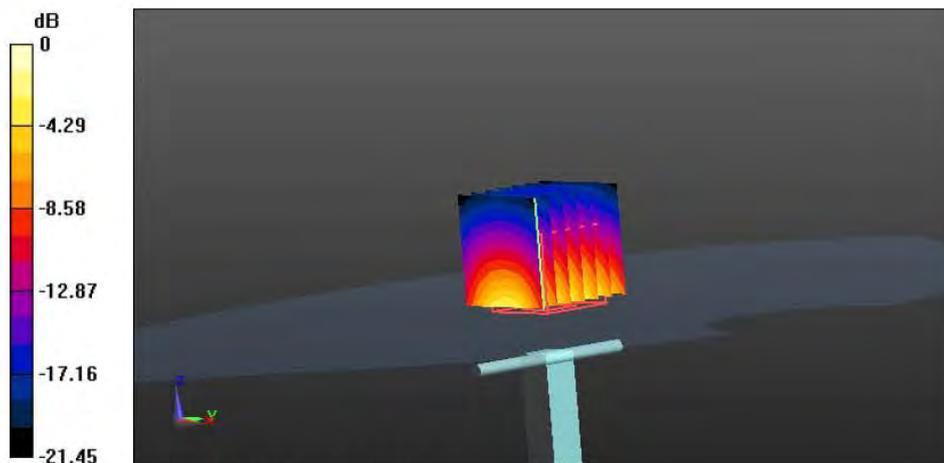
(7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 91.78 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 26.0 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.96 W/kg**

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg = 12.86 dBW/kg

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Test Laboratory: GTA-Beijing

**MSL2600\_System check\_20140609**

**DUT: Dipole D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1012**

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz);

Frequency: 2600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.263$  S/m;  $\epsilon_r = 50.005$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.27, 6.27, 6.27); Calibrated: 2/21/2014;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7)**

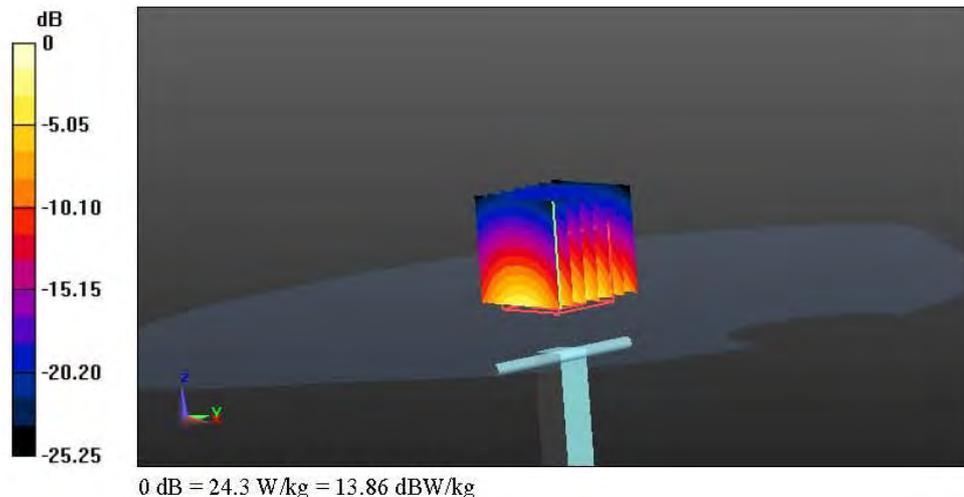
(7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 90.65 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 34.0 W/kg

**SAR(1 g) = 15.3 W/kg; SAR(10 g) = 6.73 W/kg**

Maximum value of SAR (measured) = 24.3 W/kg



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## **APPENDIX C: SAR DISTRIBUTION PLOTS**

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Date/Time: 6/4/2014 2:02:54 PM

Test Laboratory: GTA-Beijing

**GSM1900\_Right head\_20140604**

**DUT: Wukong; Type: Gina; Serial: CB5A1ZDR46**

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.389$  S/m;  $\epsilon_r = 39.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.33, 7.33, 7.33); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000P40CD; Serial: TP1697
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina\_GSM1900\_Head/GSM1900\_Right cheek\_Mid CH/Area Scan**

**(101x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.183 W/kg

**Wukong Gina\_GSM1900\_Head/GSM1900\_Right cheek\_Mid CH/Zoom Scan**

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

Reference Value = 4.728 V/m; Power Drift = 0.01 dB

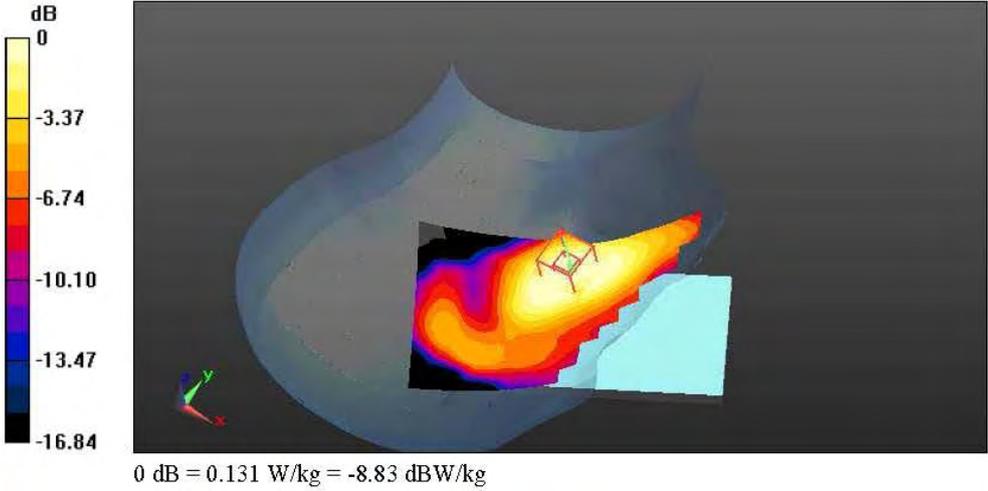
Peak SAR (extrapolated) = 0.192 W/kg

**SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.075 W/kg**

Maximum value of SAR (measured) = 0.131 W/kg

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Test Laboratory: GTA-Beijing

**GSM850\_Left head\_20140604**

**DUT: Wukong Gina; Type: PM-0820-BV; Serial: 8978**

Communication System: UID 0, Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.884$  S/m;  $\epsilon_r = 42.38$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.33, 6.33, 6.33); Calibrated: 12/19/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)),  $z = 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: SAM with CRP v4.0\_1488; Type: QD000P40CC; Serial: TP:1488
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina\_GSM850\_Left Head/GSM850\_Left Cheek\_High Ch 2/Zoom Scan**

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

Reference Value = 3.597 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.178 W/kg

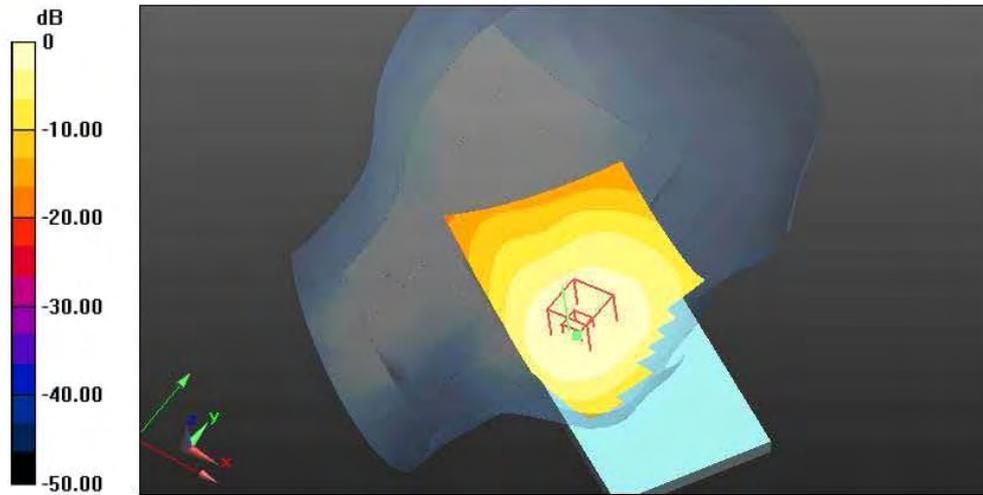
**Wukong Gina\_GSM850\_Left Head/GSM850\_Left Cheek\_High Ch/Area Scan**

**(91x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.174 W/kg

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0 dB = 0.174 W/kg = -7.59 dBW/kg

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Date/Time: 6/4/2014 11:00:16 AM

Test Laboratory: GTA-Beijing

**UMTS B2\_Right head\_20140604**

**DUT: Wukong; Type: Gina; Serial: CB5A1ZDR46**

Communication System: UID 0, UMTS\_band2 (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.383$  S/m;  $\epsilon_r = 39.162$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.33, 7.33, 7.33); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000P40CD; Serial: TP1697
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina\_UMTS B2\_Head/UMTS B2\_Right cheek\_Mid CH/Area Scan**

**(101x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.375 W/kg

**Wukong Gina\_UMTS B2\_Head/UMTS B2\_Right cheek\_Mid CH/Zoom Scan**

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

Reference Value = 6.610 V/m; Power Drift = 0.05 dB

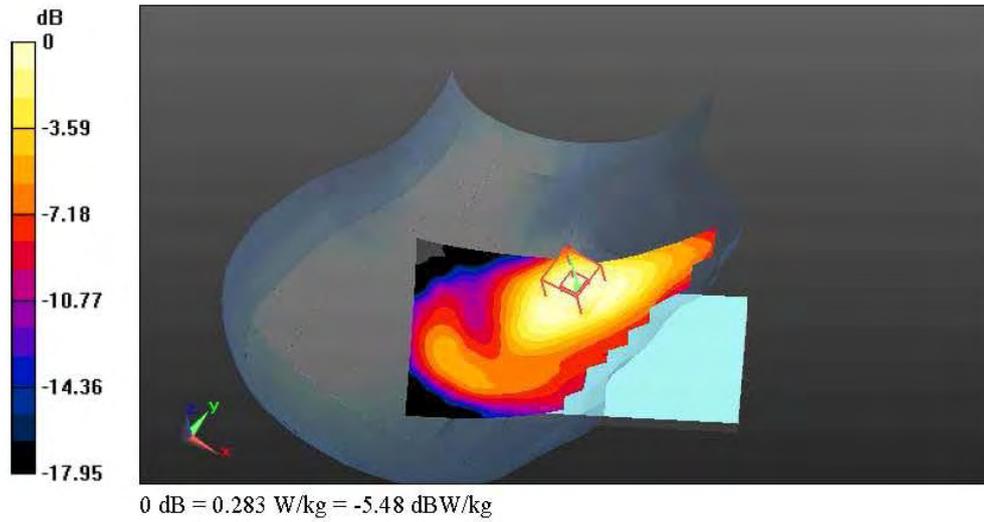
Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.160 W/kg**

Maximum value of SAR (measured) = 0.283 W/kg

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Test Laboratory: GTA-Beijing

**UMTS B5\_Left head\_20140603**

**DUT: Wukong Gina; Type: PM-0820-BV; Serial: 8978**

Communication System: UID 0, UMTS\_band5; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 846.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.882$  S/m;  $\epsilon_r = 42.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.33, 6.33, 6.33); Calibrated: 12/19/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: SAM with CRP v4.0\_1488; Type: QD000P40CC; Serial: TP:1488
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina\_UMTS B5\_Left Head/UMTS B5\_Left Cheek\_High Ch/Area Scan**

**(91x171x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.248 W/kg

**Wukong Gina\_UMTS B5\_Left Head/UMTS B5\_Left Cheek\_High Ch/Zoom Scan**

**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

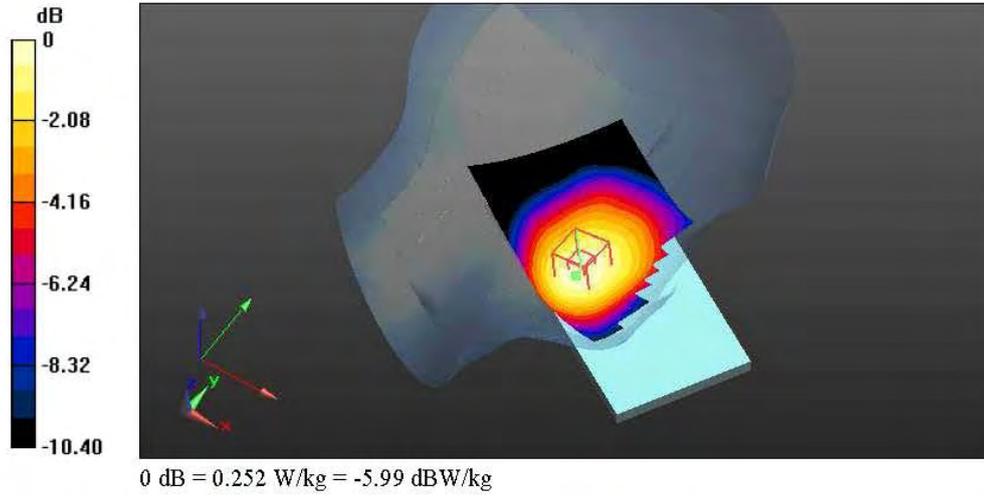
Reference Value = 4.088 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.252 W/kg

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Test Laboratory: GTA-Beijing

**Wlan2.4G\_Left head\_20140528**

**DUT: Wukong; Type: Gina; Serial: CB5A1ZDRNS**

Communication System: UID 0, WLAN (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.848$  S/m;  $\epsilon_r = 38.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.66, 6.66, 6.66); Calibrated: 2/21/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), z = 1.0
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina\_Wlan2.4G\_Head/Wlan2.4G\_Left cheek\_CH1/Area Scan (101x171x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

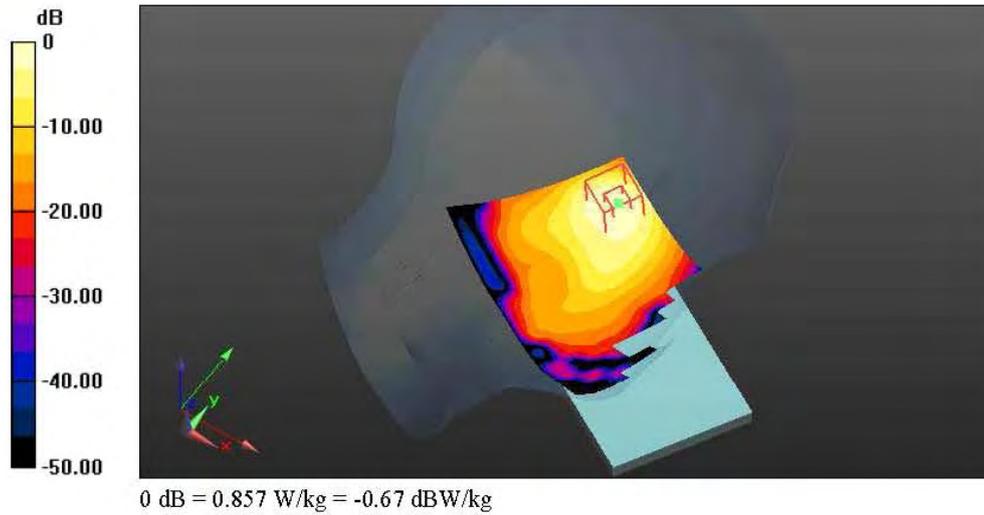
Reference Value = 6.341 V/m; Power Drift = 0.14 dB

**Fast SAR: SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.353 W/kg**

Maximum value of SAR (interpolated) = 0.857 W/kg

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Test Laboratory: GTA-Beijing

**LTE7\_Right head\_20140611**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDR46**

Communication System: UID 0, LTE-FDD(SC-FDMA,1RB,20MHz,QPSK) (0); Communication System Band: Band7,E-UTRA/FDD(2500-2570MHz); Frequency: 2535 MHz;

Medium parameters used:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.021 \text{ S/m}$ ;  $\epsilon_r = 37.928$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.44, 6.44, 6.44); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/LTE7\_20M 1RB Low\_Mid CH\_Right Cheek\_Add zoom scan/Area**

**Scan (101x171x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0730 W/kg

**Configuration/LTE7\_20M 1RB Low\_Mid CH\_Right Cheek\_Add zoom scan/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 999.00 dB

Peak SAR (extrapolated) = 0.0720 W/kg

**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.0458 W/kg

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Test Laboratory: GTA-Beijing

**LTE7\_Right head\_20140611**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDR46**

Communication System: UID 0, LTE-FDD(SC-FDMA,1RB,20MHz,QPSK) (0); Communication System Band: Band7,E-UTRA/FDD(2500-2570MHz); Frequency: 2535 MHz;Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.021$  S/m;  $\epsilon_r = 37.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.44, 6.44, 6.44); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/LTE7\_20M 1RB Low\_Mid CH\_Right Cheek\_Add zoom scan/Area**

**Scan (101x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 0 V/m; Power Drift = 999.00 dB

Fast SAR: SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (interpolated) = 0.0730 W/kg

**Configuration/LTE7\_20M 1RB Low\_Mid CH\_Right Cheek\_Add zoom scan/Zoom**

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

Reference Value = 0 V/m; Power Drift = 999.00 dB

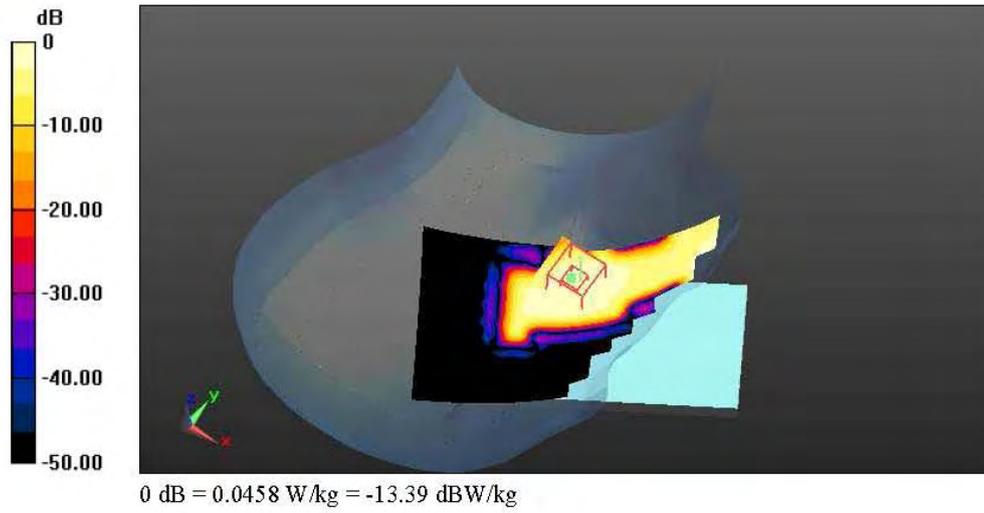
Peak SAR (extrapolated) = 0.0720 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0458 W/kg

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Date/Time: 6/6/2014 12:53:12 PM

Test Laboratory: GTA-Beijing

**GSM1900\_Body\_10mm\_\_20140606**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDR46**

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 51.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.31, 7.31, 7.31); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),  
Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**D2533\_GSM1900\_Body\_10mm/GSM1900\_Low CH\_Front/Area Scan (101x181x1):**

Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.485 W/kg

**D2533\_GSM1900\_Body\_10mm/GSM1900\_Low CH\_Front/Zoom Scan (7x7x7)/Cube**

**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

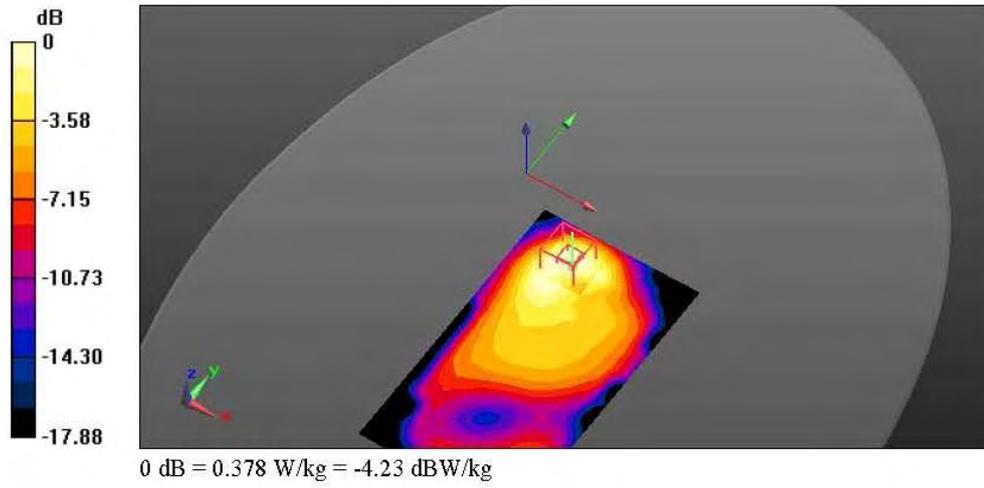
Reference Value = 8.400 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.378 W/kg

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Test Laboratory: GTA-Beijing

**GSM850\_Body\_10mm&15mm\_20140604**

**DUT: Wukong Gina; Type: PM-0820-BV; Serial: 8978**

Communication System: UID 0, Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.991$  S/m;  $\epsilon_r = 52.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.96, 5.96, 5.96); Calibrated: 12/19/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: ELI v4.0\_1041; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Wukong Gina/GSM850\_body\_GPRS1TS\_High CH\_Back\_10mm 2/Area Scan**

**(91x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.264 W/kg

**Wukong Gina/GSM850\_body\_GPRS1TS\_High CH\_Back\_10mm 2/Zoom Scan**

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

Reference Value = 12.84 V/m; Power Drift = -0.03 dB

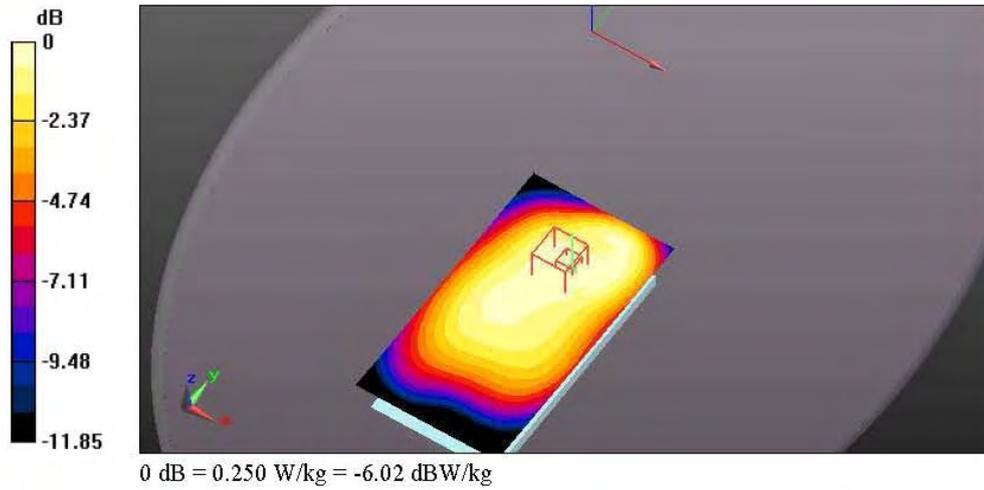
Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg

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Test Laboratory: GTA-Beijing

**UMTS B2\_Body\_10mm\_\_20140605**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDR46**

Communication System: UID 0, UMTS\_band2 (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 50.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.31, 7.31, 7.31); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**D2533\_UMTS B2\_Body\_10mm/UMTS B2\_Mid CH\_Front/Area Scan (101x181x1):**

Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

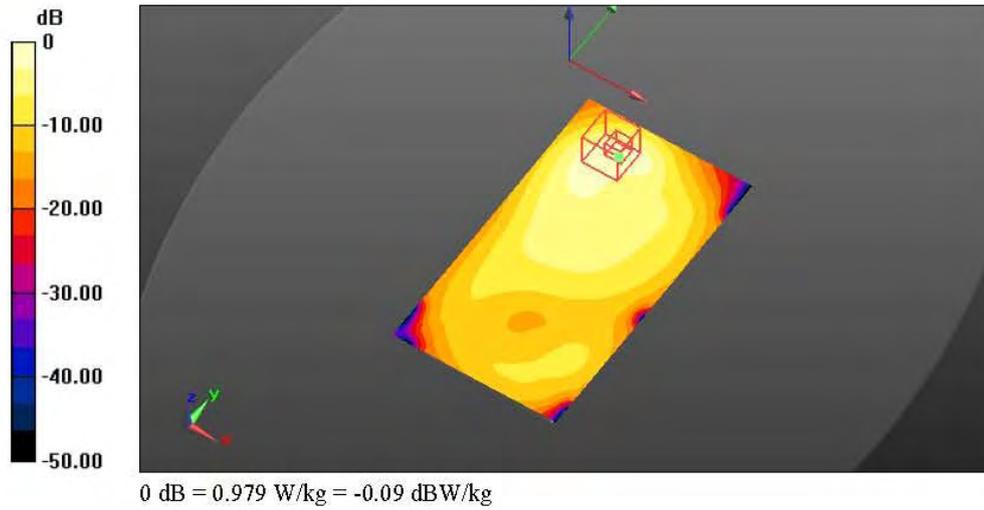
Reference Value = 11.37 V/m; Power Drift = -0.07 dB

**Fast SAR: SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.374 W/kg**

Maximum value of SAR (interpolated) = 0.979 W/kg

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Test Laboratory: GTA-Beijing

**UMTS B5\_Body\_10mm\_20140604**

**DUT: D2533; Type: PM-0820-BV; Serial: 8978**

Communication System: UID 0, UMTS\_band5; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 846.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.989 \text{ S/m}$ ;  $\epsilon_r = 52.499$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.96, 5.96, 5.96); Calibrated: 12/19/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn853; Calibrated: 12/16/2013
- Phantom: ELI v4.0 1041; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**D2533/UMTS850\_body\_high CH\_Back\_10mm/Area Scan (91x171x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.330 W/kg

**D2533/UMTS850\_body\_high CH\_Back\_10mm/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

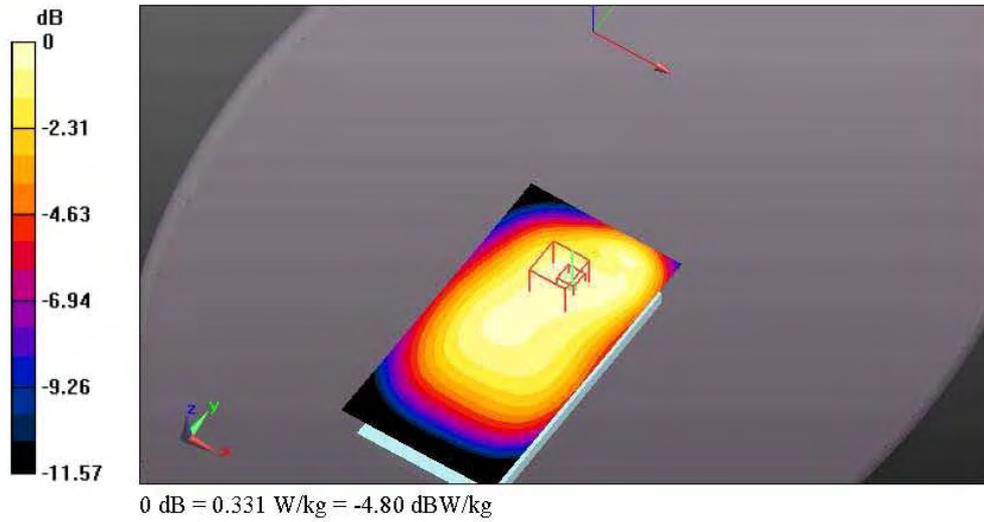
Reference Value = 14.10 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.331 W/kg

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Test Laboratory: GTA-Beijing

**Wlan2.4G\_Body\_10mm\_\_20140609**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDRNS**

Communication System: UID 0, WLAN (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.066$  S/m;  $\epsilon_r = 50.558$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.6, 6.6, 6.6); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), z = 1.0
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**D2533\_Wlan2.4G\_Body\_10mm/Wlan2.4G\_CH11\_Back/Area Scan (101x181x1):**

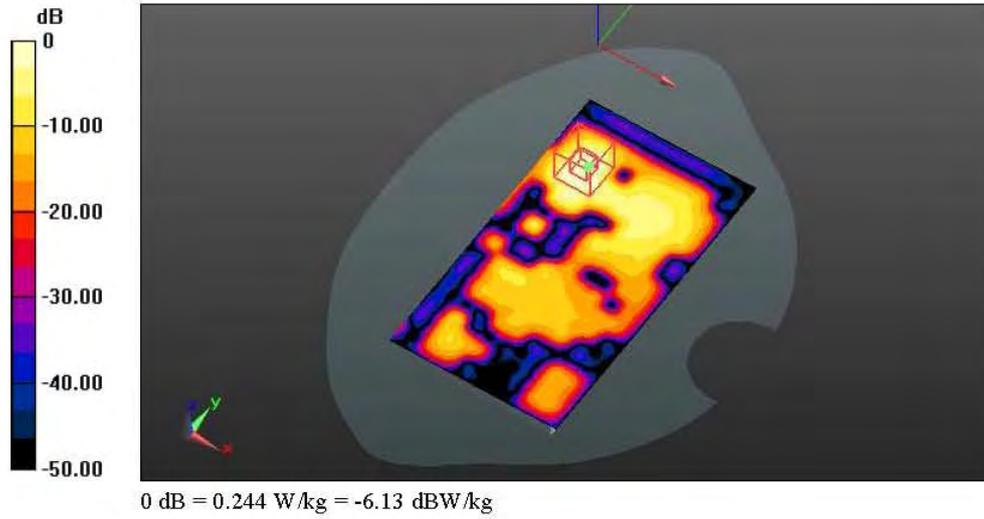
Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 1.639 V/m; Power Drift = 0.30 dB

**Fast SAR: SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.065 W/kg**

Maximum value of SAR (interpolated) = 0.244 W/kg

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Test Laboratory: GTA-Beijing

**LTE7\_Body\_10mm\_20140610**

**DUT: D2533; Type: PM-0820-BV; Serial: CB5A1ZDR46**

Communication System: UID 0, LTE-FDD(SC-FDMA, 1RB, 20MHz, QPSK) (0); Communication System Band: Band7, E-UTRA/FDD(2500-2570MHz); Frequency: 2560 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.206$  S/m;  $\epsilon_r = 50.159$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.27, 6.27, 6.27); Calibrated: 2/21/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),  $z = 1.0$
- Electronics: DAE4 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0#1696; Type: QD000P40CD; Serial: TP:1696
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

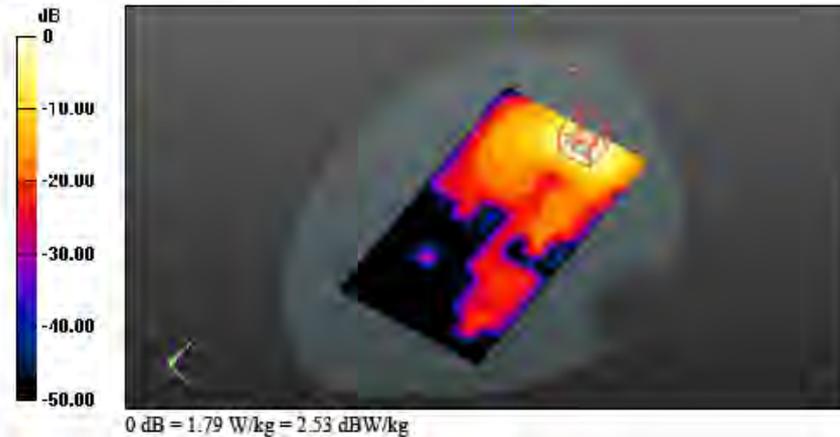
**D2533 LTE7\_Hotspot\_10mm/LTE7\_20M 1RB Low\_High CH\_Back/Area Scan**

(101x181x1): Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 1.507 V/m; Power Drift = 0.54 dB

Fast SAR: SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.502 W/kg

Maximum value of SAR (interpolated) = 1.79 W/kg



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