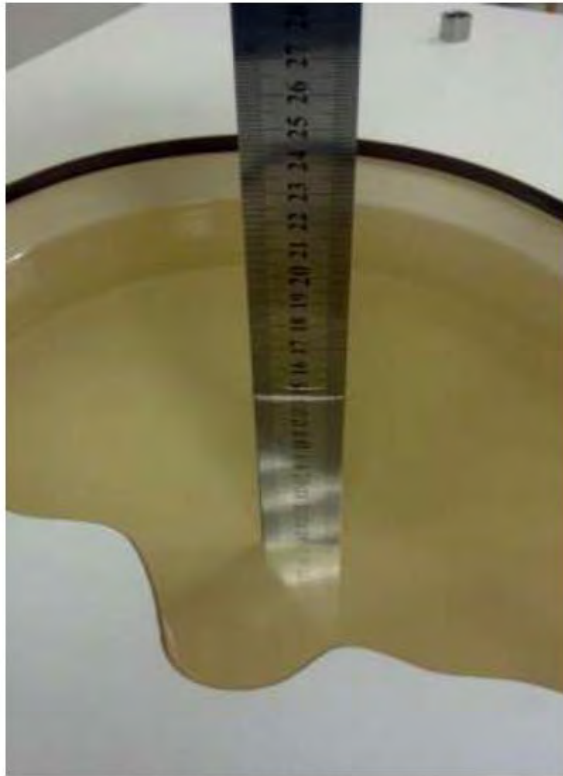


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APPENDIX A: LIQUID DEPTH

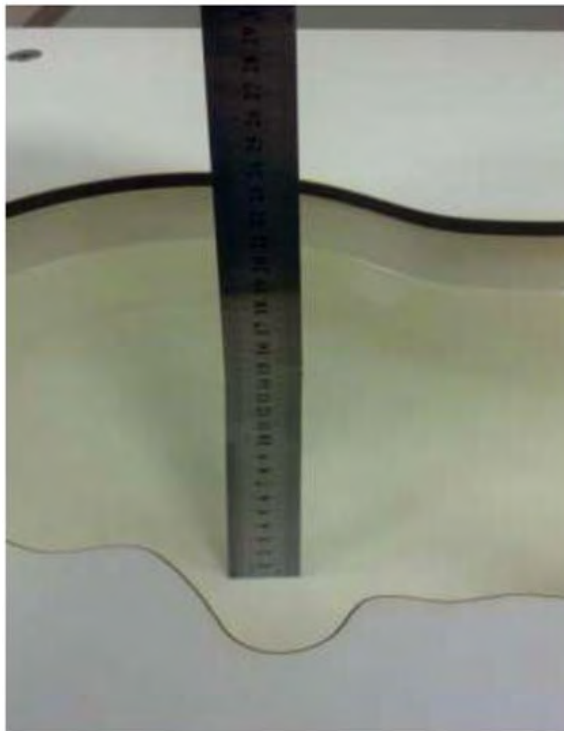
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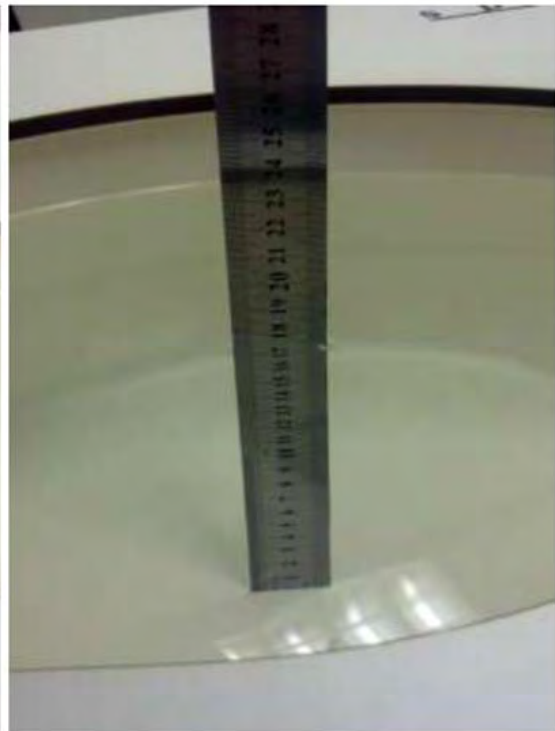
850MHz Head



850MHz Body

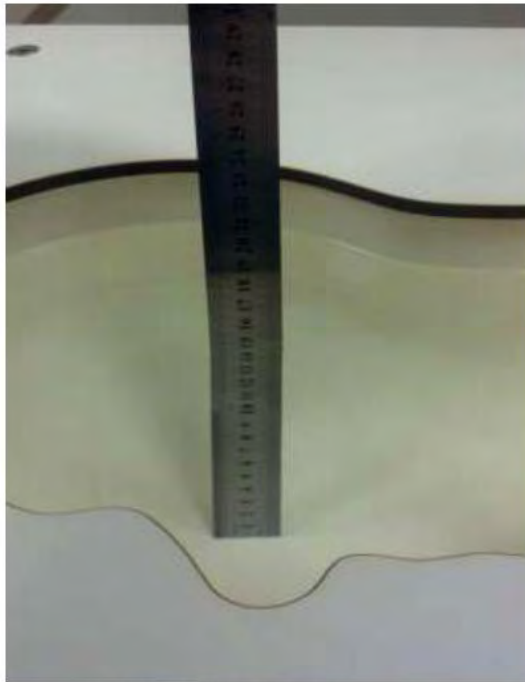


1800MHz Head



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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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/m³

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)

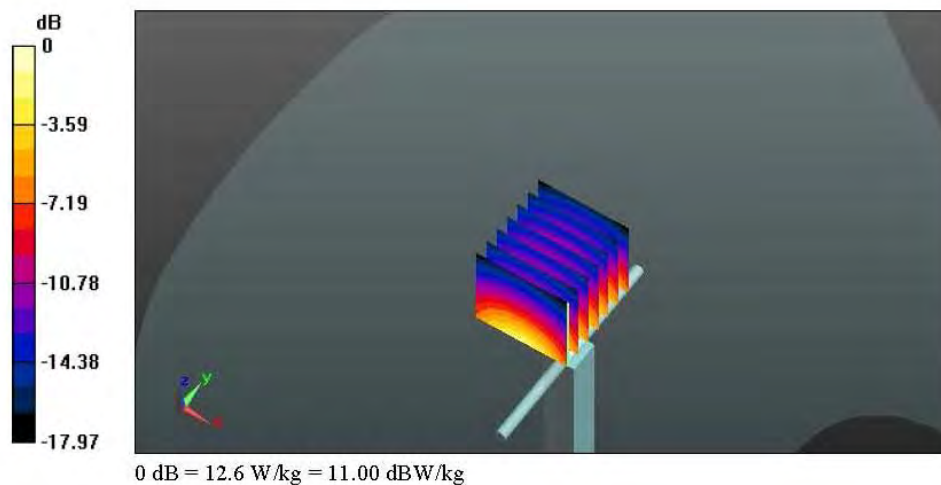
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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: DASY5 (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
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

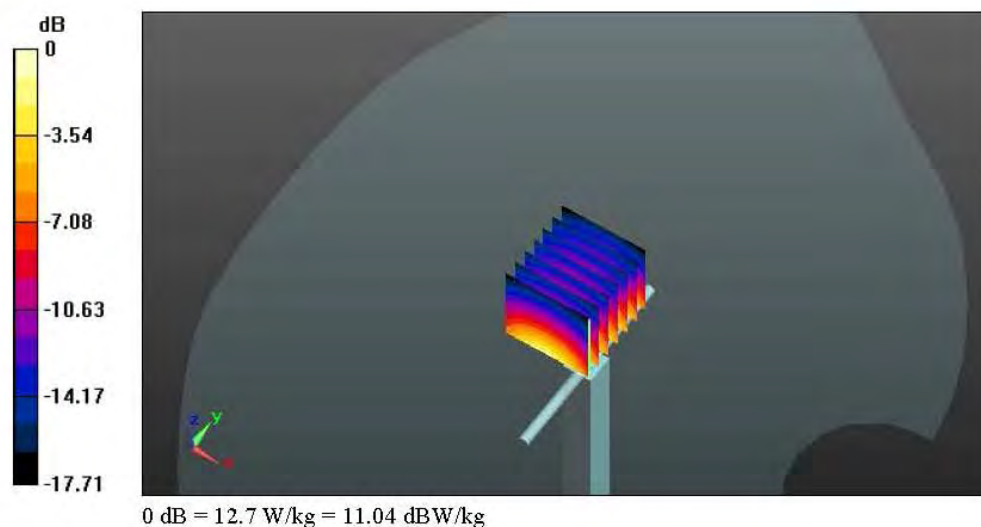
**System Performance Check at Frequencies above 1 GHz/ $d=10\text{mm}$, $P_{in}=250 \text{ mW}$,
 $\text{dist}=3.0\text{mm}$ (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$,
 $dy=5\text{mm}$, $dz=5\text{mm}$**

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



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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: $f = 1900 \text{ MHz}$; $\sigma = 1.361 \text{ S/m}$; $\epsilon_r = 38.628$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DAS Y 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 Sn854; Calibrated: 12/16/2013
- Phantom: SAM with CRP v5.0 #1697; Type: QD000F40CD; Serial: TP1697
- DAS Y52 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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)

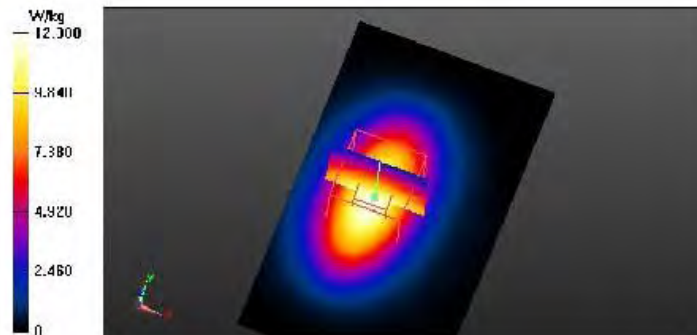
(7x7x7)/Cube 0: Measurement grid: $dx=5 \text{ mm}$, $dy=5 \text{ mm}$, $dz=5 \text{ mm}$

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_VValidation/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_VValidation/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

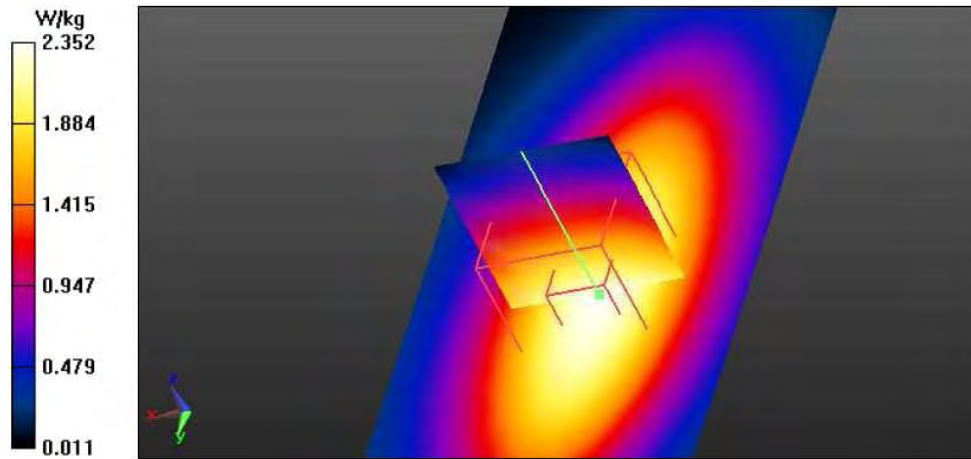
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg

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

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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
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

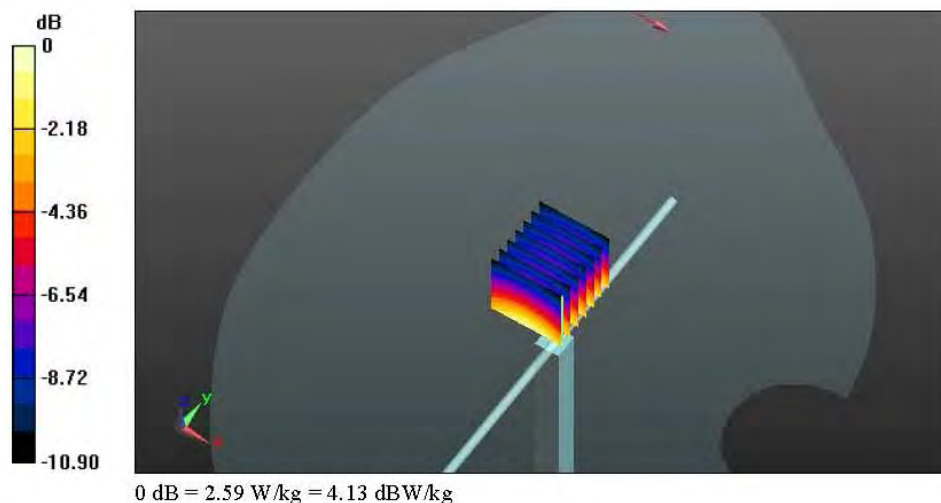
grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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



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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/m³

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)

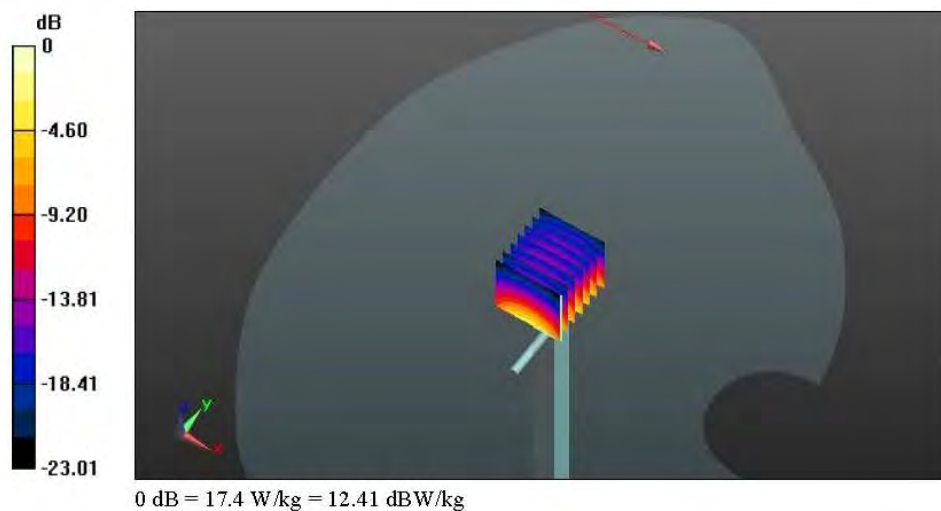
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: 6/6/2014 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/m³

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)

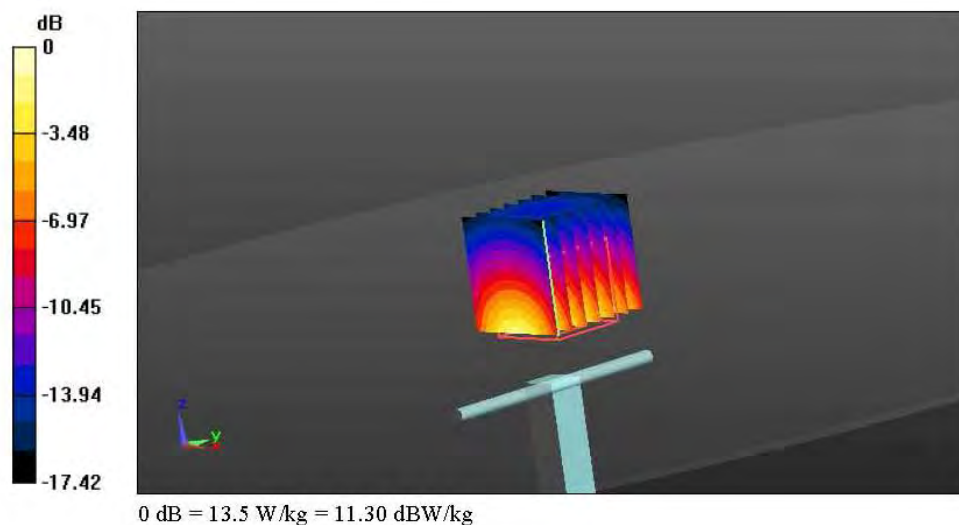
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



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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/m³

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: 3mm (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)

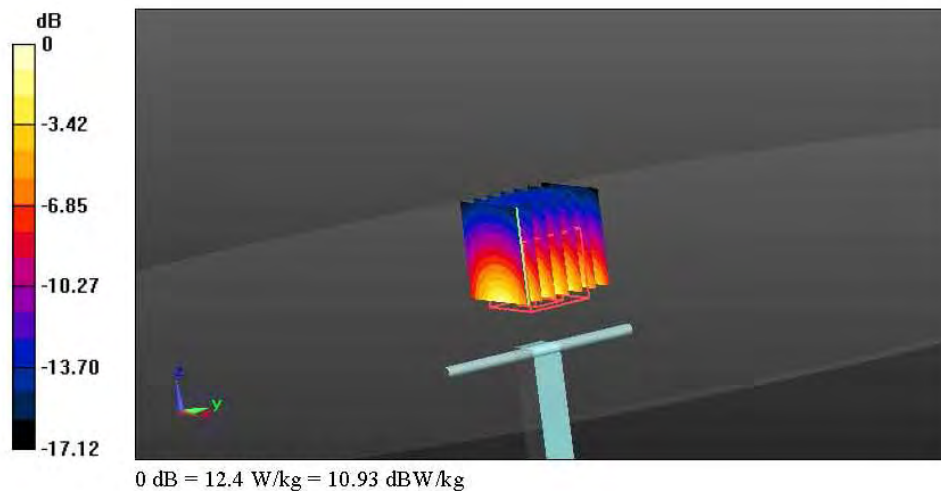
System Performance Check at Frequencies above 1 GHz/ $d=10$ mm, $P_{in}=250$ mW, $dist=3.0$ mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0; Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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:

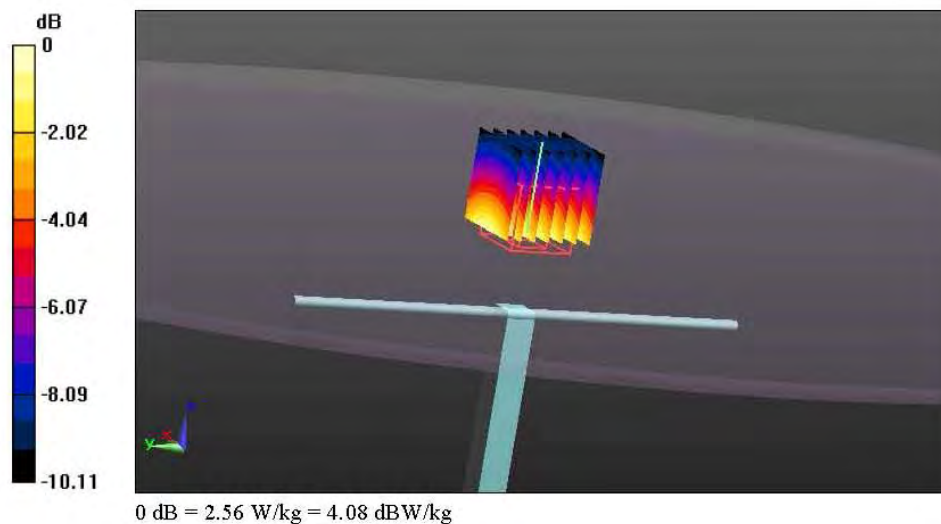
$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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



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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/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- 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)

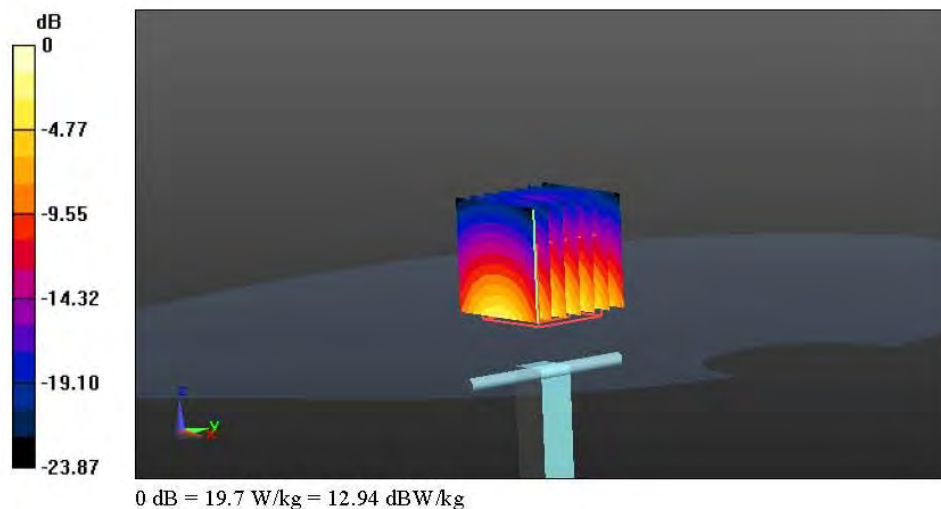
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 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



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Date/Time: 5/30/2014 11:23:50 AM

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/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- 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)

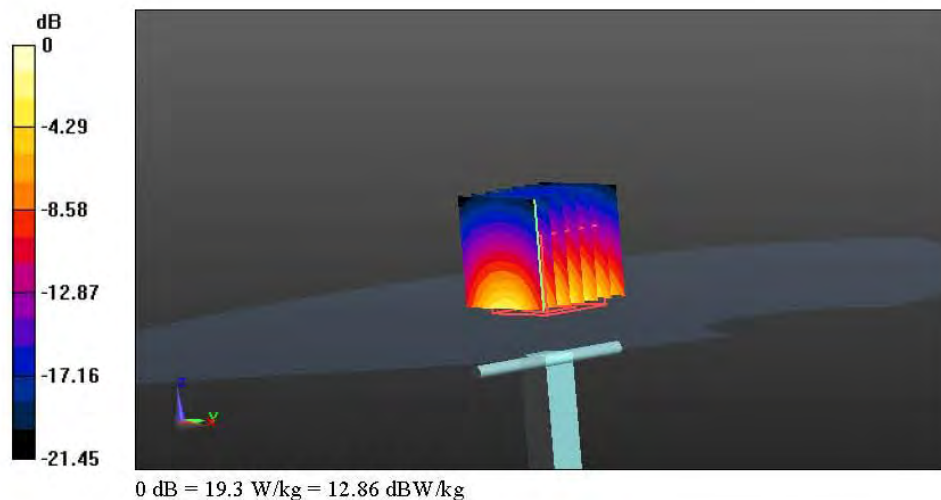
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 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



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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/m³

Phantom section: Right Section

Measurement Standard: DASY5 (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
- DASY52 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

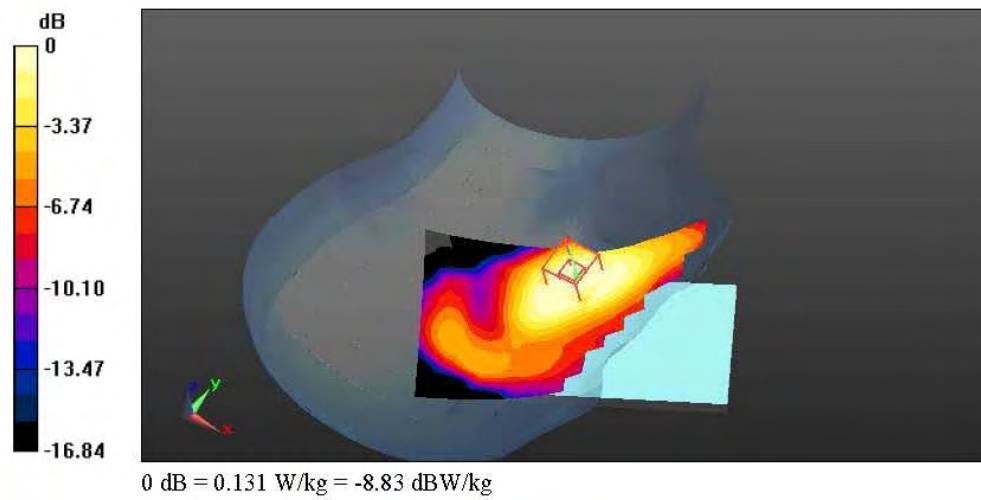
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.075 W/kg

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

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Date/Time: 6/4/2014 11:00:34 AM

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/m³

Phantom section: Left Section

Measurement Standard: DASY5 (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
- DASY52 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

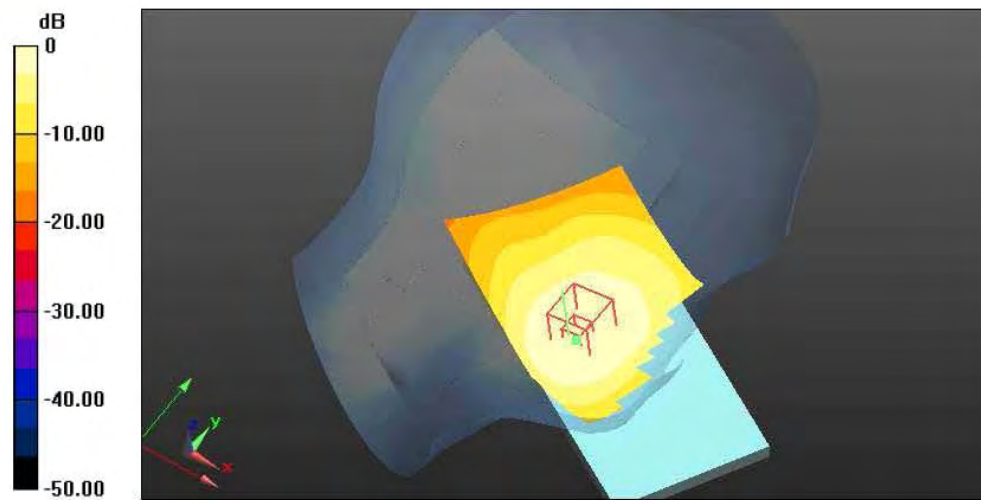
(91x171x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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: $f = 1880 \text{ MHz}$; $\sigma = 1.383 \text{ S/m}$; $\epsilon_r = 39.162$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

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

Peak SAR (extrapolated) = 0.409 W/kg

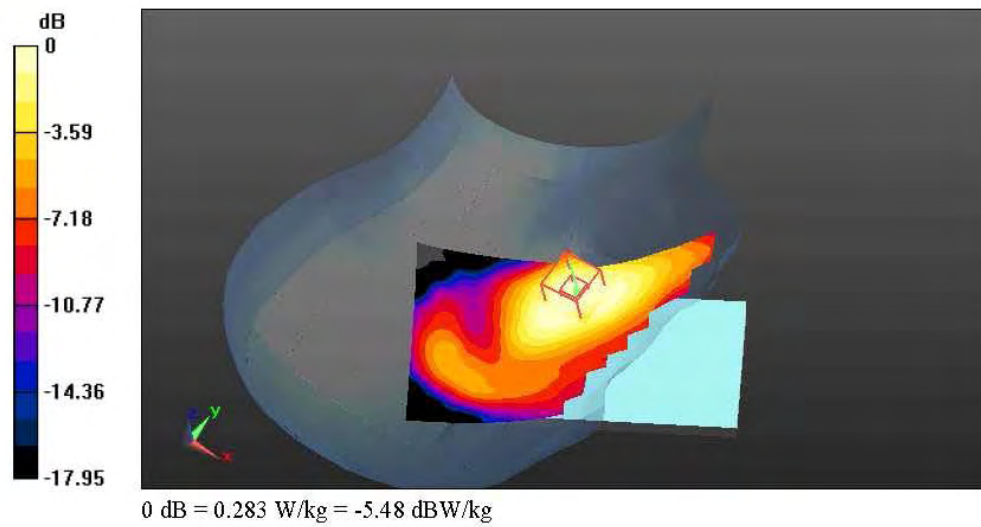
SAR(1 g) = 0.260 W/kg ; SAR(10 g) = 0.160 W/kg

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

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Date/Time: 6/3/2014 4:20:24 PM

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: $f = 847 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.403$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

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

Peak SAR (extrapolated) = 0.293 W/kg

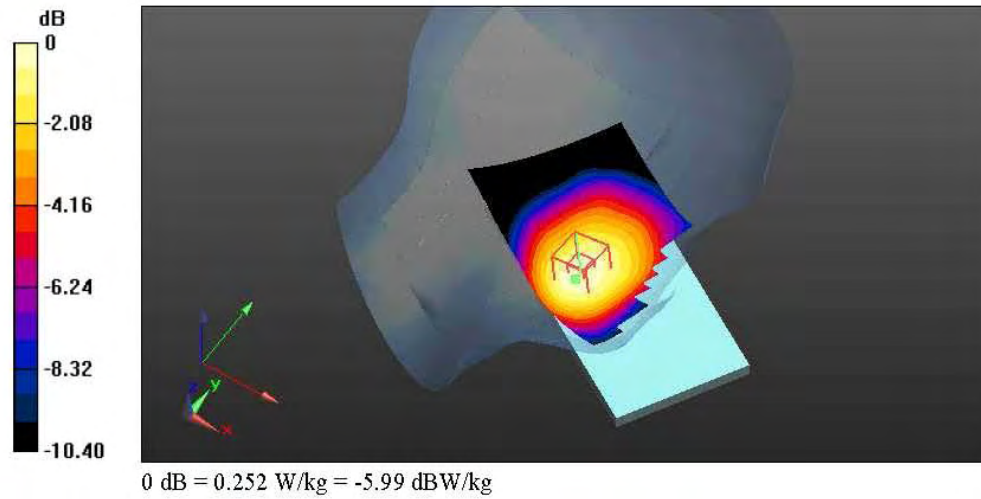
SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.173 W/kg

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/m³

Phantom section: Left Section

Measurement Standard: DASY5 (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
- DASY52 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

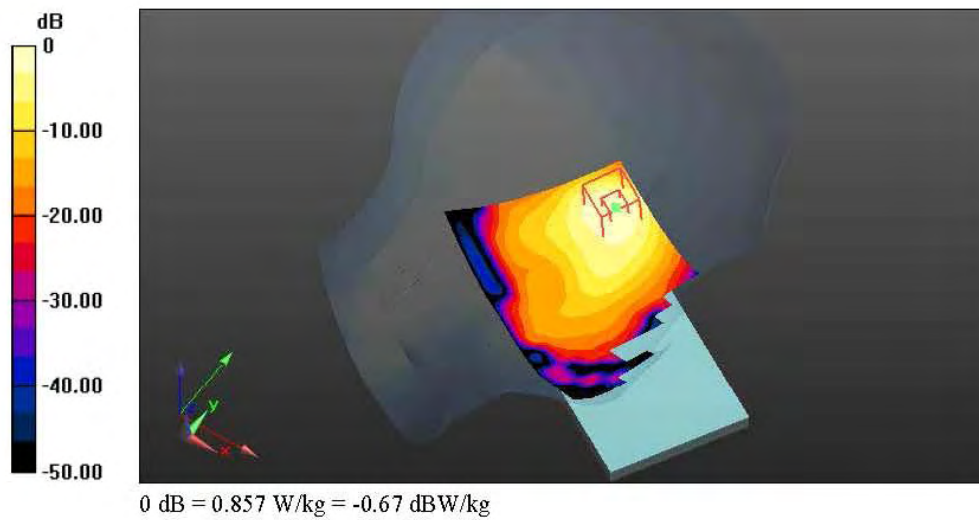
Reference Value = 6.341 V/m; Power Drift = 0.14 dB

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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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/m³

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;
- 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
- DASY52 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

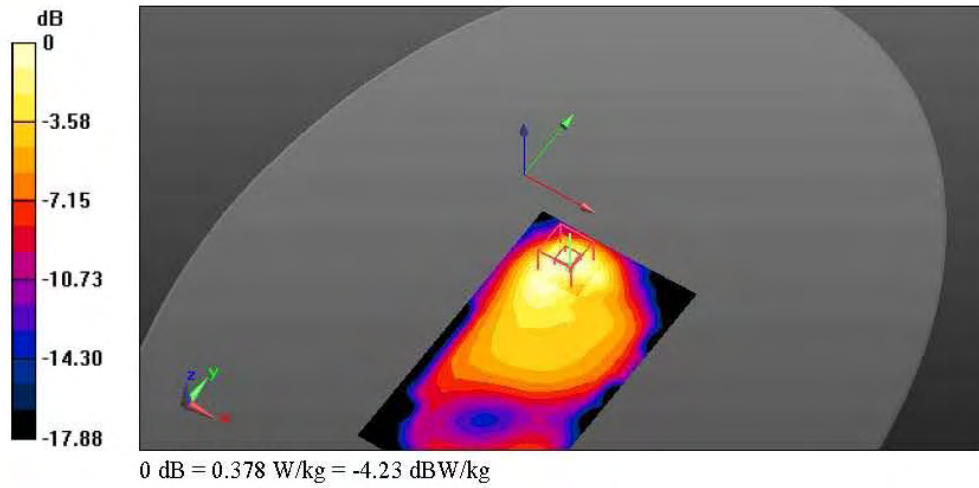
SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.187 W/kg

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/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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

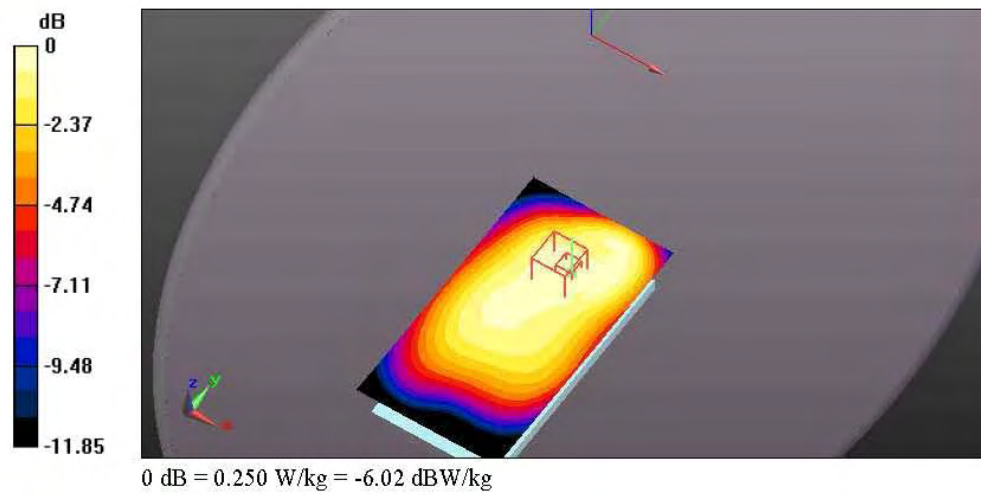
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.173 W/kg

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

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Date/Time: 6/5/2014 12:18:30 PM

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: $f = 1880 \text{ MHz}$; $\sigma = 1.512 \text{ S/m}$; $\epsilon_r = 50.855$; $\rho = 1000 \text{ kg/m}^3$

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;
- 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
- DASY52 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

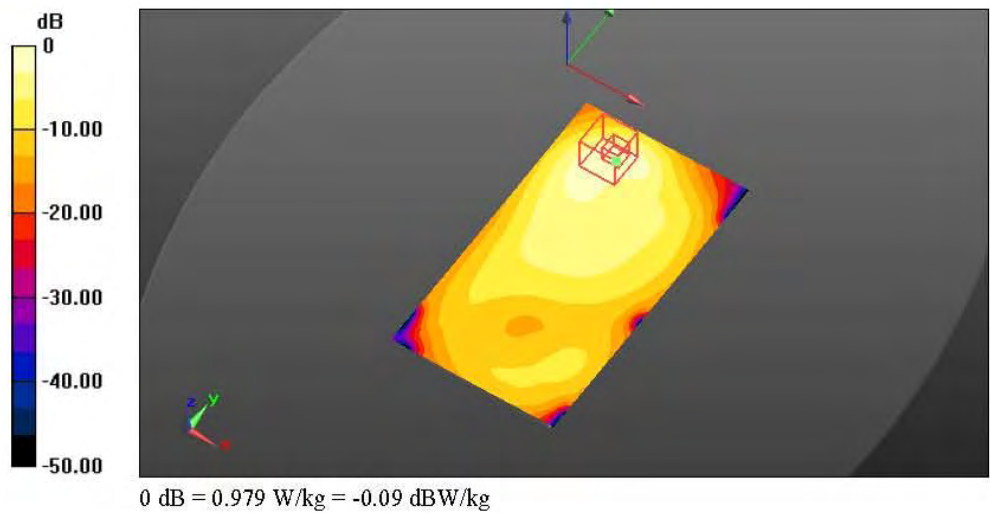
Reference Value = 11.37 V/m; Power Drift = -0.07 dB

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: DASY5 (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
- DASY52 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

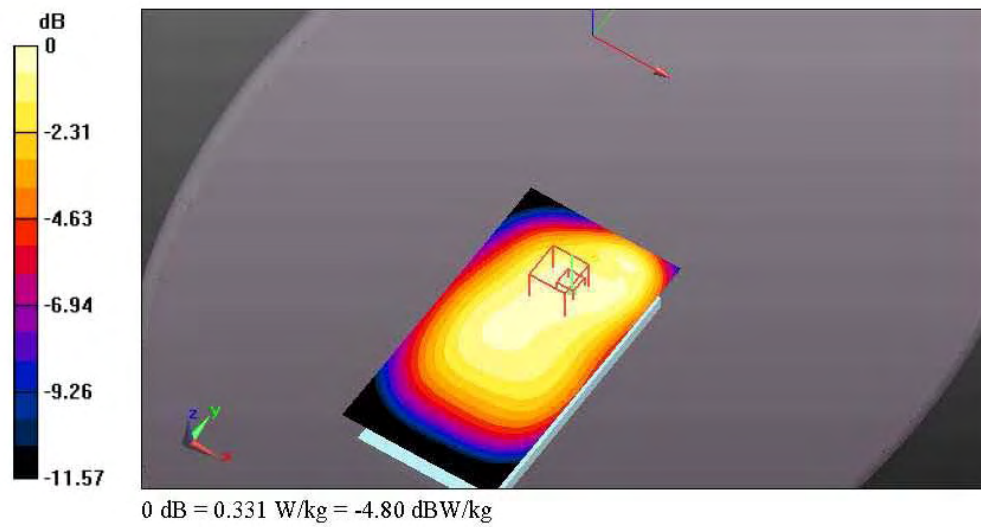
SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.218 W/kg

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

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Date/Time: 6/9/2014 1:58:54 PM

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/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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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