

Test Date: May 17, 2013 Temperature : 23 Humidity : 52%
 Test Date: May 20, 2013 Temperature : 22.5 Humidity : 50%

Liquid Temperature : 21.5				Depth of Liquid: > 15cm		
Test Mode: GSM (Body)						
Test Position Body	Antenna Position	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz			
GSM 850						
Front Side	Fixed	190	836.6	32.80	0.077	1.6
Bottom Side	Fixed	190	836.6	32.80	0.292	1.6
Back Side	Fixed	190	836.6	32.80	0.121	1.6
Left Side	Fixed	190	836.6	32.80	0.270	1.6
Test Mode: PCS (Body)						
Test Position Body	Antenna Position	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz			
PCS 1900						
Front Side	Fixed	661	1880.0	29.70	0.266	1.6
Bottom Side	Fixed	661	1880.0	29.70	0.404	1.6
Back Side	Fixed	661	1880.0	29.70	0.058	1.6
Left Side	Fixed	661	1880.0	29.70	0.091	1.6
Test Mode: WCDMA (Body)						
Test Position Body	Antenna Position	Frequency		Conducted power (dBm)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz			
Band II						
Front Side	Fixed	9400	1880.0	22.79	0.417	1.6
Bottom Side	Fixed	9400	1880.0	22.79	0.398	1.6
Back Side	Fixed	9400	1880.0	22.79	0.118	1.6
Left Side	Fixed	9400	1880.0	22.79	0.148	1.6
Band V						
Front Side	Fixed	4180	836.6	23.15	0.058	1.6
Bottom Side	Fixed	4180	836.6	23.15	0.331	1.6
Back Side	Fixed	4180	836.6	23.15	0.147	1.6
Left Side	Fixed	4180	836.6	23.15	0.070	1.6

Test Mode: GSM850, CH 190, Front Side (Body)

Date/Time: 5/17/2013 PM 04:57:20

Test Laboratory: Audix_SAR Lab

GSM850 MID FRONT

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337, Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY5 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.0615 W/kg

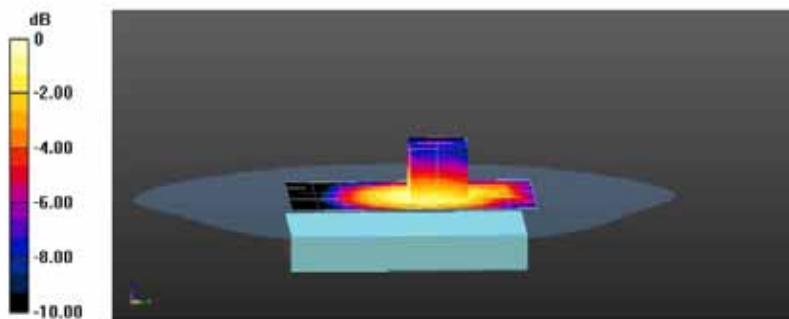
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.259 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.0649 W/kg



Test Mode: GSM850, CH 190, Bottom Side (Body)

Date/Time: 5/17/2013 PM 05:51:07

Test Laboratory: Audix_SAR Lab

GSM850 MID Button

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.242 W/kg

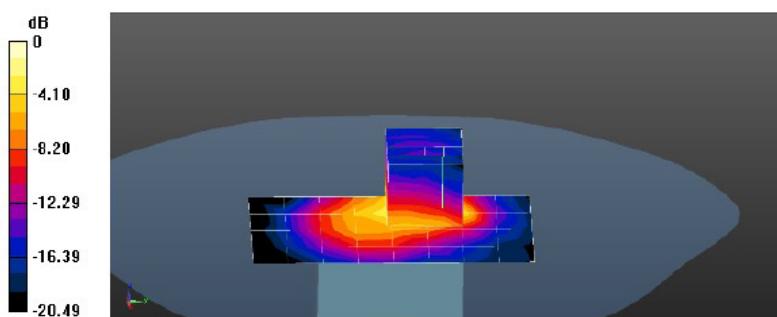
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.708 V/m; Power Drift = 0.83 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.117 W/kg

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



Test Mode: GSM850, CH 190, Back Side (Body)

Date/Time: 5/17/2013 PM 02:45:39

Test Laboratory: Audix_SAR Lab

GSM850 MID BACK

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

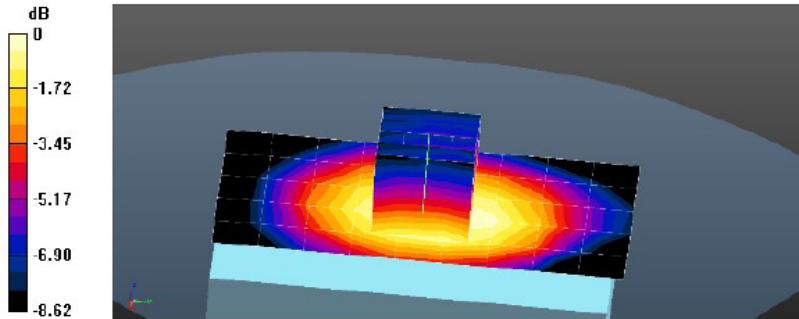
Communication System: Generic GSM; Frequency: 836.6 MHz
Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.132 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.472 V/m. Power Drift = -0.35 dB
Peak SAR (extrapolated) = 0.156 W/kg
 $\text{SAR}(1 \text{ g}) = 0.121 \text{ W/kg}$; $\text{SAR}(10 \text{ g}) = 0.090 \text{ W/kg}$
Maximum value of SAR (measured) = 0.128 W/kg



Test Mode: GSM850, CH 190, Left Side (Body)

Date/Time: 5/17/2013 PM 07:25:24

Test Laboratory: Audix_SAR Lab

GSM850 MID Left

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.287 W/kg

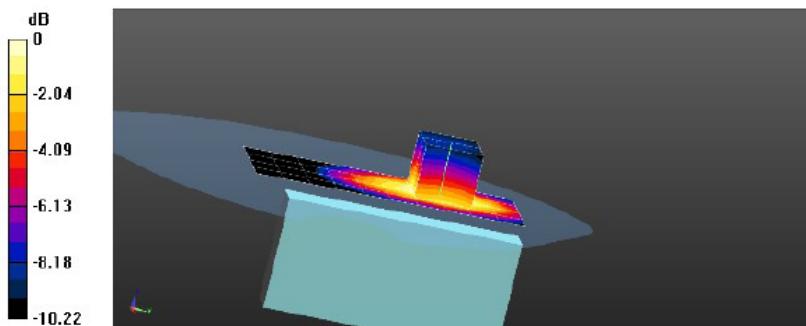
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.458 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.288 W/kg



Test Mode: PCS1900, CH 661, Front Side (Body)

Date/Time: 5/21/2013 AM 09:30:36

Test Laboratory: Audix_SAR Lab

GSM1900 MID FRONT

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0, Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.275 W/kg

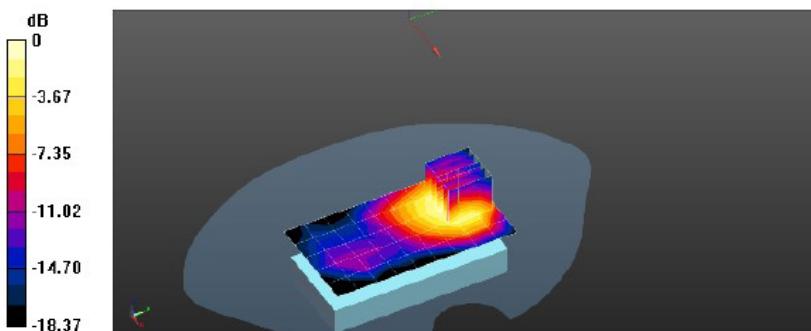
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.219 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.162 W/kg

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



Test Mode: PCS1900, CH 661, Bottom Side (Body)

Date/Time: 5/21/2013 AM 11:42:13

Test Laboratory: Audix_SAR Lab

GSM1900 MID Botton

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $s_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.344 W/kg

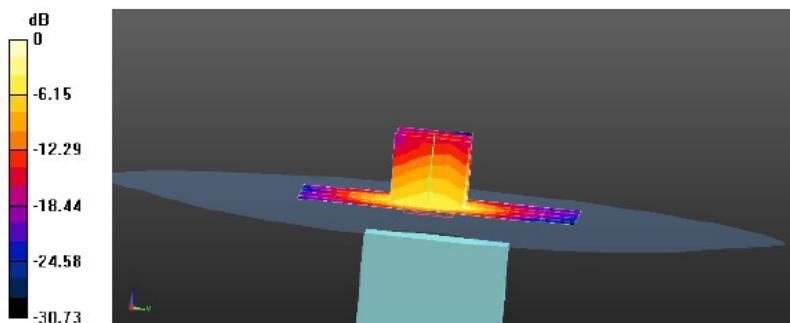
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.056 V/m; Power Drift = 0.63 dB

Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.454 W/kg



Test Mode: PCS1900, CH 661, Back Side (Body)

Date/Time: 5/21/2013 AM 11:23:27

Test Laboratory: Audix_SAR Lab

GSM1900 MID BACK

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.0581 W/kg

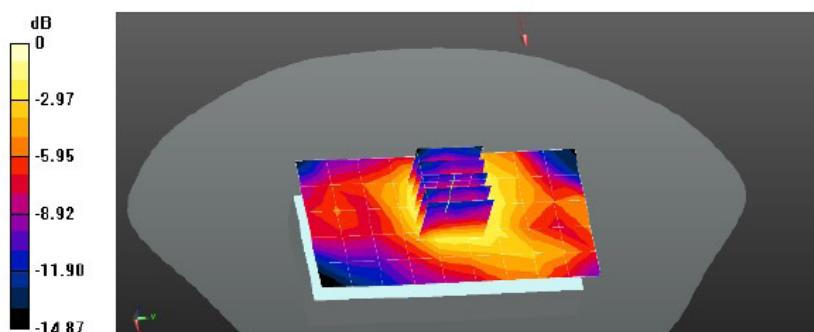
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.998 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.0622 W/kg



Test Mode: PCS1900, CH 661, Left Side (Body)

Date/Time: 5/21/2013 PM 01:21:42

Test Laboratory: Audix_SAR Lab

GSM1900 MID Left

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

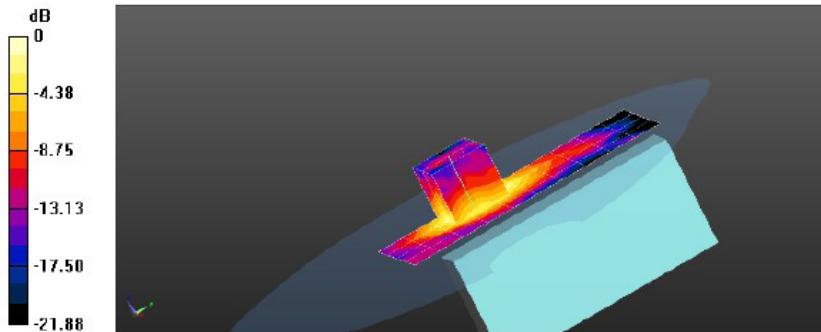
Communication System: Generic GSM; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.0887 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.136 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.0984 W/kg



Test Mode: WCDMA (Band II), CH 9400, Front Side (Body)

Date/Time: 5/20/2013 PM 07:42:05

Test Laboratory: Audix_SAR Lab

WCDMA B2 MID FRONT

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

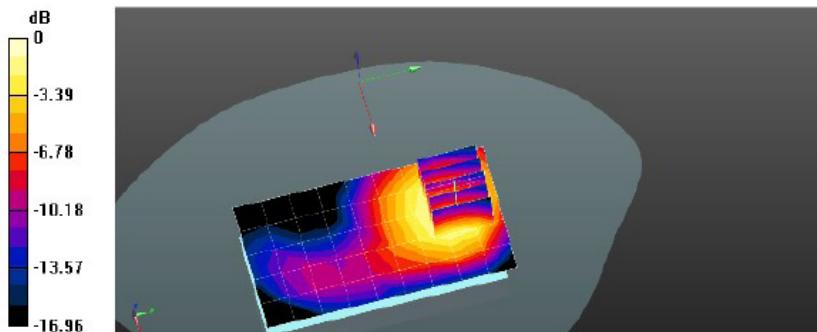
Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5 0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.459 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.689 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.446 W/kg



Test Mode: WCDMA (Band II), CH 9400, Bottom Side (Body)

Date/Time: 5/20/2013 PM 08:29:30

Test Laboratory: Audix_SAR Lab

WCDMA B2 MID Bottom

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ S/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.320 W/kg

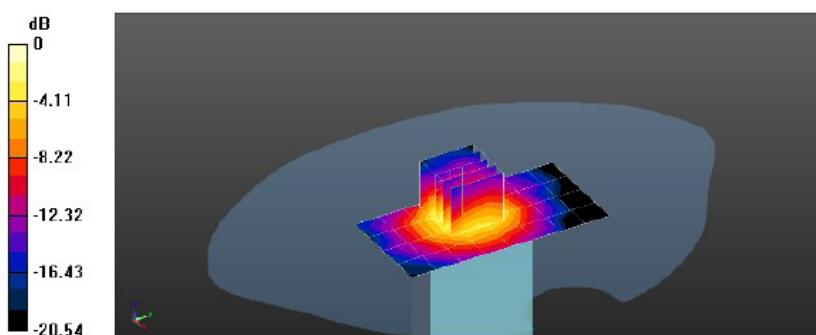
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.431 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



Test Mode: WCDMA (Band II), CH 9400, Back Side (Body)

Date/Time: 5/20/2013 PM 08:02:25

Test Laboratory: Audix_SAR Lab

WCDMA B2 MID BACK

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

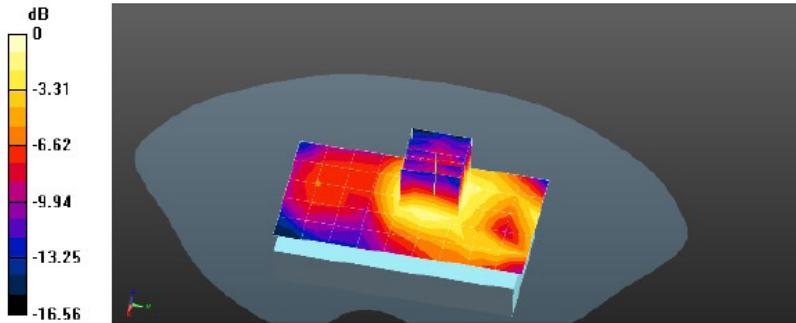
Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ S/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY5 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.125 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.265 V/m; Power Drift = 0.75 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.075 W/kg
Maximum value of SAR (measured) = 0.126 W/kg



Test Mode: WCDMA (Band II), CH 9400, Left Side (Body)

Date/Time: 5/20/2013 PM 08:45:40

Test Laboratory: Audix_SAR Lab

WCDMA B2 MID Left

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

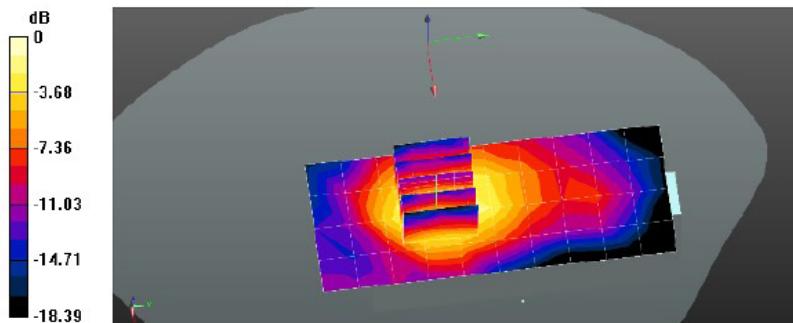
Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ S/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.61, 7.61, 7.61); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.140 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.873 V/m; Power Drift = 0.87 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.161 W/kg



Test Mode: WCDMA (Band V), CH 4180, Front Side (Body)

Date/Time: 5/17/2013 PM 08:30:29

Test Laboratory: Audix_SAR Lab

WCDMA B5 MID FRONT**DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A**

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0668 W/kg

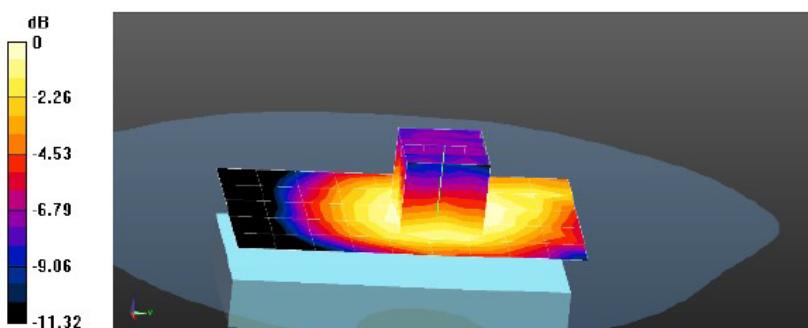
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.756 V/m; Power Drift = -1.04 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.0625 W/kg



Test Mode: WCDMA (Band V), CH 4180, Bottom Side (Body)

Date/Time: 5/17/2013 PM 10:04:49

Test Laboratory: Audix_SAR Lab

WCDMA B5 MID Button

DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.384 W/kg

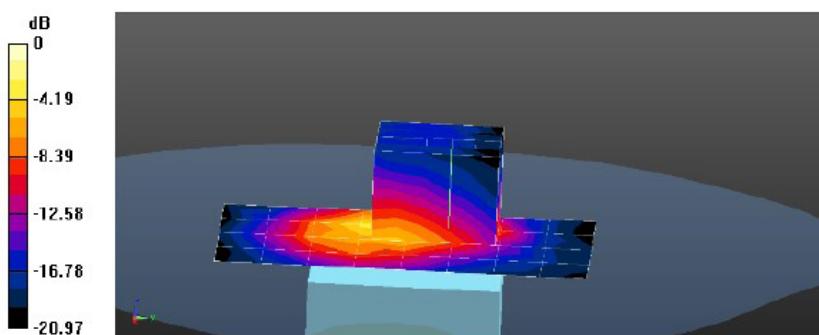
Configuration/Unnamed procedure/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.127 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



Test Mode: WCDMA (Band V), CH 4180, Back Side (Body)

Date/Time: 5/17/2013 PM 09:21:07

Test Laboratory: Audix_SAR Lab

WCDMA B5 MID BACK**DUT: HM45; Type: Bluebird Soft Inc; Serial: N/A**

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

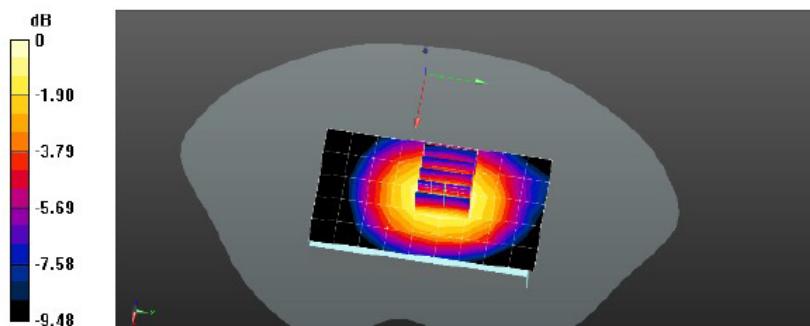
- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.142 W/kg**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.972 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



Test Mode: WCDMA (Band V), CH 4180, Left Side (Body)

Date/Time: 5/17/2013 PM 10:54:35

Test Laboratory: Audix_SAR Lab

WCDMA B5 MID Left**DUT: HM45-1; Type: Bluebird Soft Inc; Serial: N/A**

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.478$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(9.78, 9.78, 9.78); Calibrated: 5/9/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 5/7/2012
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: SN1706
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Unnamed procedure/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0755 W/kg

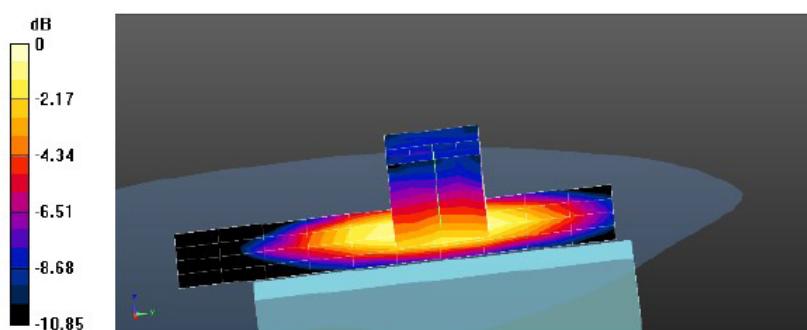
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.875 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.048 W/kg

Maximum value of SAR (measured) = 0.0743 W/kg



6. PHOTOGRAPHS OF MEASUREMENT

Test Position: Left Cheek (Head)



Test Position: Left Tilt (Head)



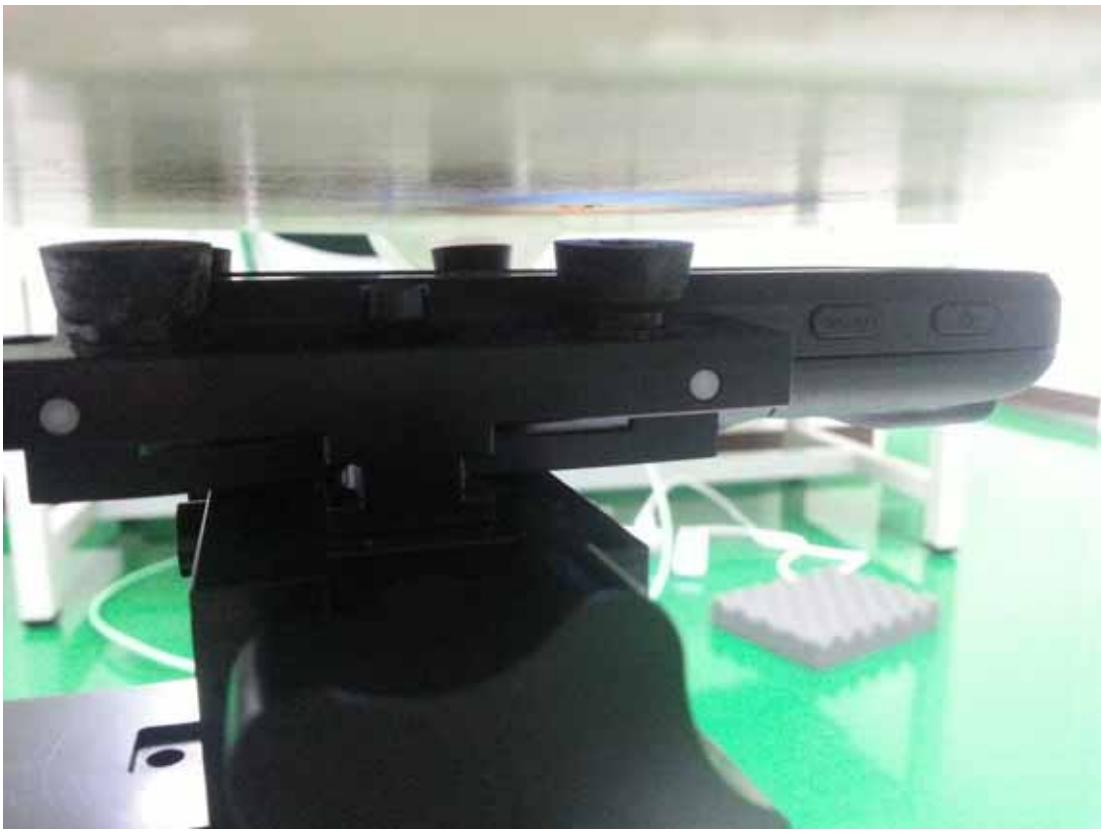
Test Position: Right Cheek (Head)



Test Position: Right Tilt (Head)



Test Position: Front Side



Test Position: Back Side



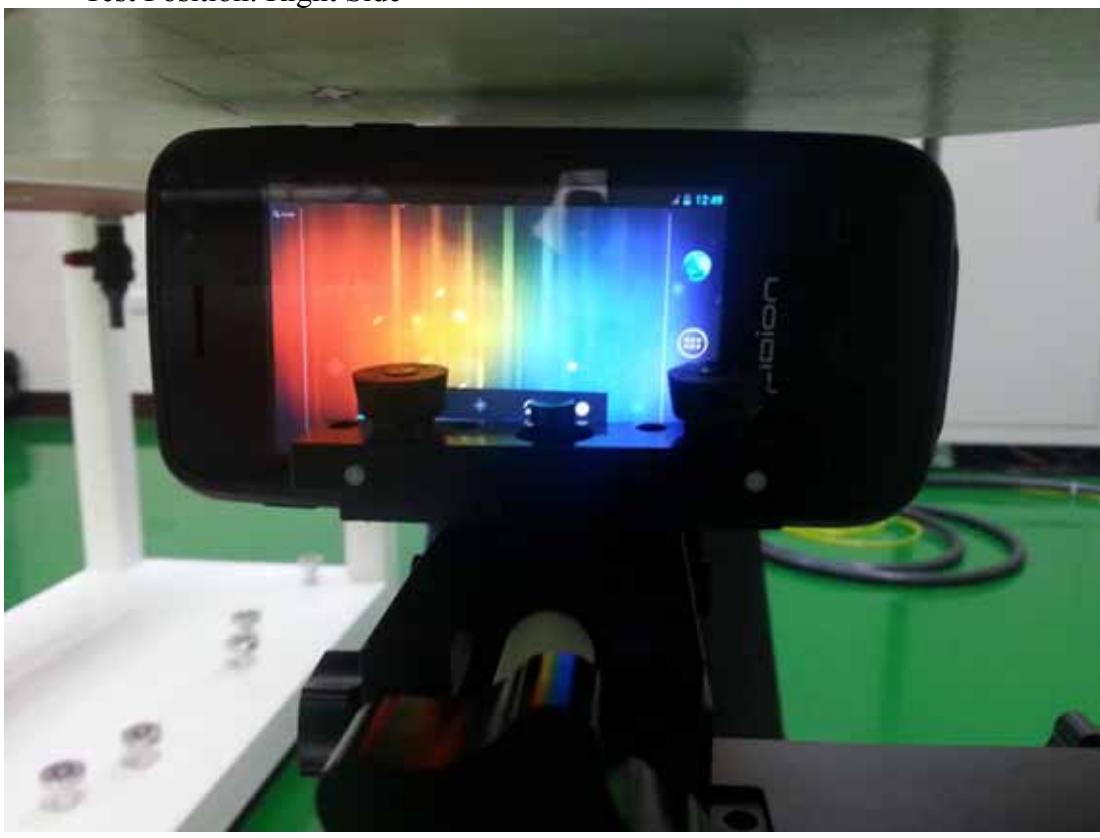
Test Position: Bottom Side



Test Position: Left Side



Test Position: Right Side



Depth of the Liquid in the Phantom-Zoom In

