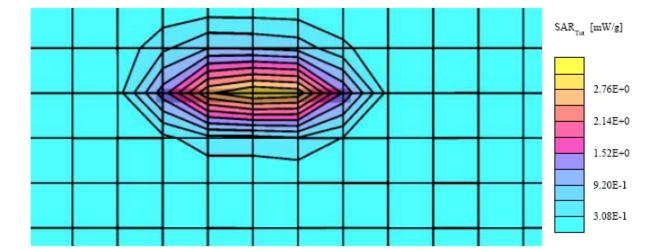
1900 MHz Body Liquid System Validation (Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, Forward Power = 20.24 dBm, 12/8/2004)

SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz

Probe: ET3DV2 - SN3019; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body Liquid 1900 MHz: $\sigma = 1.50$ mho/m $\epsilon_r = 53.4$ $\rho = 1.00$ g/cm³ Cube 5x5x7: SAR (1g): 2.63 mW/g, SAR (10g): 1.18 mW/g, (Worst-case extrapolation) Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: -0.00 dB

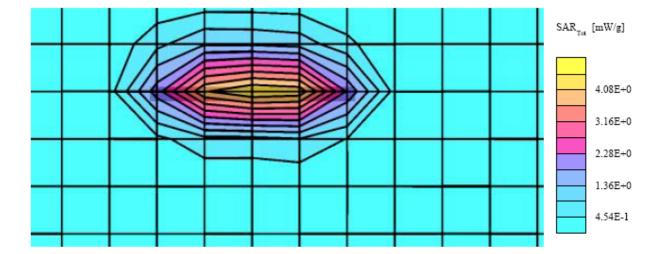


1900 MHz Head Liquid System Validation (Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, Forward Power = 20.04 dBm, 12/8/2004)

SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz

Probe: ET3DV2 - SN3019; ConvF(4.70,4.70,4.70); Crest factor: 1.0; Head Liquid 1900 MHz: $\sigma = 1.41$ mho/m $\epsilon_r = 39.2$ $\rho = 1.00$ g/cm³ Cube 5x5x7: SAR (1g): 3.90 mW/g, SAR (10g): 1.72 mW/g, (Worst-case extrapolation)
Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: -0.02 dB



APPENDIX E - EUT SCANS

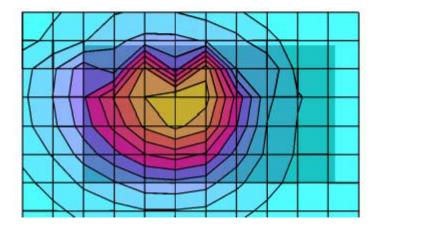
HTC, Model #: PM10C (835 MHz GPRS + BT activate, Bottom touching flat phantom with accessory (headset, pouch, and memory card), Middle Channel, Ambient Temp = 23 Deg C, Liquid, Temp = 22 Deg C, Middle Channel, 12/18/2004) SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 837 MHz

Probe: ES3DV2 - SN3019; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHz Body: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.613 mW/g, SAR (10g): 0.425 mW/g, (Worst-case extrapolation)

Coarse: Dx = 12.0, Dy = 13.0, Dz = 10.0

Powerdrift: -0.02 dB





Plot #1

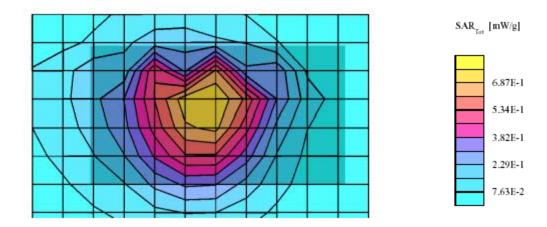
HTC, Model #: PM10C (835 MHz GSM + BT activate, Bottom touching to flat phantom with accessory (headset and pouch), Middle Channel, Ambient Temp = 23 Deg C,

Liquid Temp = 22 Deg C, Middle Channel, 12/18/2004) SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 837 MHz

Probe: ES3DV2 - SN3019; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHz Body: $\sigma = 0.93 \text{ mho/m} \ \epsilon_r = 55.4 \ \rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.717 mW/g, SAR (10g): 0.478 mW/g, (Worst-case extrapolation)

Coarse: Dx = 12.0, Dy = 13.0, Dz = 10.0 Powerdrift: -0.03 dB

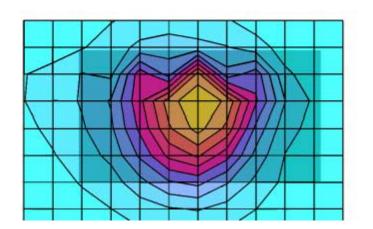


Plot #2

HTC, Model #: PM10C (835 MHz GSM + BT activate, Bottom touhing to flat phantom with accessory (headset, pouch, and memory card), Middle Channel, Ambient Temp = 23 Deg C, Liquid, Temp = 22 Deg C, Middle Channel, 12/18/2004) SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 837 MHz

Probe: ES3DV2 - SN3019; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHz Body: $\sigma = 0.93$ mho/m $\epsilon_{\nu} = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.740 mW/g, SAR (10g): 0.496 mW/g, (Worst-case extrapolation) Coarse: Dx = 12.0, Dy = 13.0, Dz = 10.0 Powerdrift: -0.00 dB





HTC, Model #: PM10C (Left Head, Cheek with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, Middle Channel, 12/18/2004)

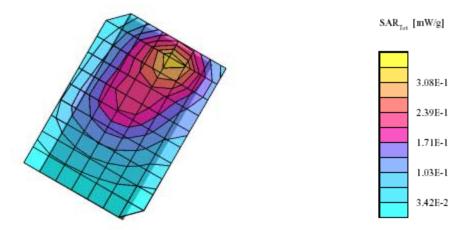
SAM Phantom; Left Hand Section; Position: (90°,60°); Frequency: 837 MHz

Probe: ET3DV6 - SN1064; ConvF(6.45,6.45,6.45); Crest factor: 8.0; (Head) 835 MHz: $\sigma = 0.88 \text{ mho/m} \, \epsilon_r = 41.7 \, \rho = 1.00 \, \text{g/cm}^3$

Cube 5x5x7: SAR (1g): 0.337 mW/g, SAR (10g): 0.203 mW/g, (Worst-case extrapolation)

Coarse: Dx = 11.0, Dy = 11.0, Dz = 10.0

Powerdrift: 0.01 dB



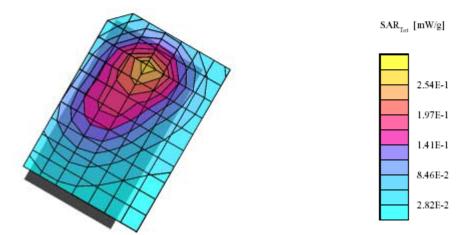
HTC, Model #: PM10C (Left Head, Tilted with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, Middle Channel, 12/18/2004)

SAM Phantom; Left Hand Section; Position: $(90^{\circ},60^{\circ})$; Frequency: 837 MHz Probe: ET3DV6 - SN1604; ConvF(6.45,6.45,6.45); Crest factor: 8.0; (Head) 835MHZ: $\sigma = 0.88$ mho/m $\epsilon_r = 41.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.284 mW/g, SAR (10g): 0.167 mW/g, (Worst-case extrapolation)

Coarse: Dx = 11.0, Dy = 11.0, Dz = 10.0

Powerdrift: 0.00 dB



HTC, Model: PM10C (Right Head, Cheek with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liqiud Temp = 22 Deg C, 12/18/2004)

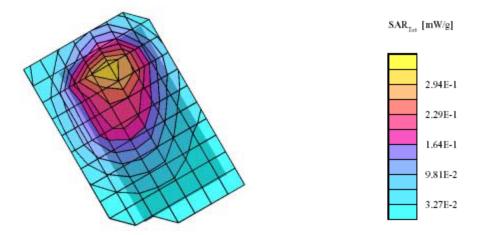
SAM Phantom; Righ Hand Section; Position: (90°, 120°); Frequency: 837 MHz

Probe: ET3DV6 - SN1604; ConvF(6.45,6.45,6.45); Crest factor: 8.0; (Head) 835 MHz: $\sigma = 0.88 \text{ mho/m} \text{ s}_{\nu} = 41.7 \text{ } \rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.307 mW/g, SAR (10g): 0.197 mW/g, (Worst-case extrapolation)

Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: -0.02 dB

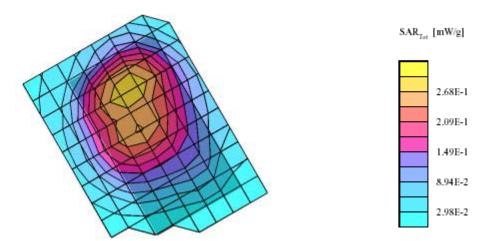


HTC, Model: PM10C (Right Head, Tilted with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liqiud Temp = 22 Deg C, 12/18/2004)

SAM Phantom; Righ Hand Section; Position: (90°,120°); Frequency: 837 MHz

Probe: ET3DV6 - SN1604; ConvF(6.45,6.45,6.45); Crest factor: 8.0; (Head) 835 MHz: $\sigma = 0.88 \text{ mho/m s}, = 41.7 \text{ } \rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.283 mW/g, SAR (10g): 0.213 mW/g, (Worst-case extrapolation) Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0 Powerdrift: -0.02 dB



Plot #7

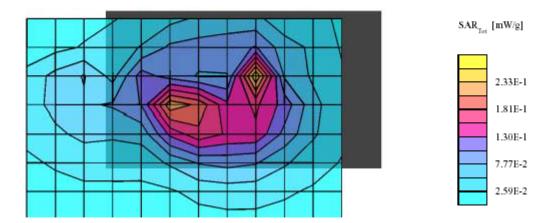
HTC, Model #: PM10C (GSM 1900 MHz + BT activate, Body Worn, Bottom touching flat phantom with accessory (headset and pouch), Mid Channel, Ambient Temp = 23 C, Liquid Temp = 22 C, 12/8/2004) SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1880 MHz

Probe: ET3DV2 - SN3019; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body Liquid 1900 MHz: σ = 1.50 mho/mε, = 53.4 ρ = 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.279 mW/g, SAR (10g): 0.146 mW/g, (Worst-case extrapolation)

Coarse: Dx = 13.0, Dy = 13.0, Dz = 10.0

Powerdrift: 0.01 dB



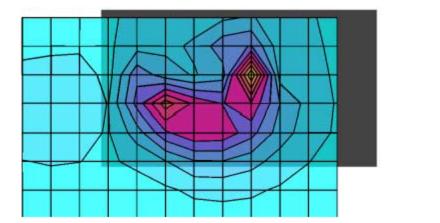
HTC, Model #: PM10C (GSM 1900 MHz + BT activate, Body Worn, Bottom touching flat phantom with accessory (headset, pouch and memory card), Mid Channel, Ambient Temp = 23 C, Liquid Temp = 22 C, 12/8/2004)

SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1880 MHz

Probe: ET3DV2 - SN3019; ConvF(4.60,4.60), Crest factor: 1.0; Body Liquid 1900 MHz: $\sigma = 1.50 \text{ mho/m}\,\epsilon_z = 53.4 \text{ p} = 1.00 \text{ g/cm}^3$ Cube 5x5x7: SAR (1g): 0.296 mW/g, SAR (10g): 0.156 mW/g, (Worst-case extrapolation)

Coarse: Dx = 13.0, Dy = 13.0, Dz = 10.0

Powerdrift: -0.02 dB





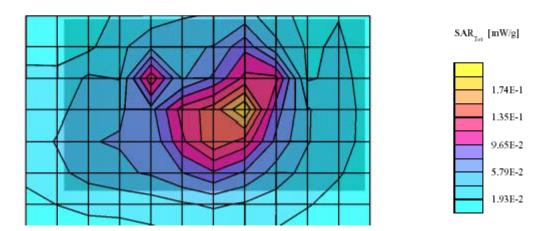
HTC, Model #: PM10C (GPRS 1900 MHz + BT activate, Body Worn, Bottom touching flat phantom with accessory (headset and pouch), Mid Channel, Ambient Temp = 23 C, Liquid Temp = 22 C, 12/8/2004)

SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1880 MHz

Probe: ET3DV2 - SN3019; ConvF(4.60,4.60,4.60); Crest factor: 1.0; Body Liquid 1900 MHz: $\sigma = 1.50 \text{ mho/m} \, \epsilon_r = 53.4 \, \rho = 1.00 \, \text{g/cm}^3$ Cube SySy7: SAP (1a): 0.270 mW(a, SAP (10a): 0.129 mW(a, Chapter of the contraction)

Cube 5x5x7: SAR (1g): 0.270 mW/g, SAR (10g): 0.129 mW/g, (Worst-case extrapolation) Coarse: Dx = 13.0, Dy = 13.0, Dz = 10.0

Powerdrift: 0.02 dB



Plot #10

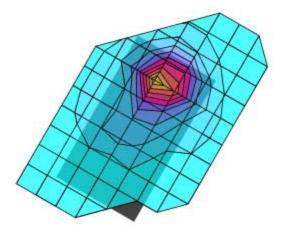
HTC, Model: PM10C (Left Head, Cheek with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liqiud Temp = 22 Deg C, 12/8/2004) SAM Phantom; Left Hand Section; Position: (90°,60°); Frequency: 1880 MHz

Probe: ET3DV6 - SN1604; ConvF(5.23,5.23,5.23); Crest factor: 8.0; (Head) 1900 MHz: σ = 1.41 mho/m ε, = 39.2 ρ = 1.31 g/cm³

Cube 5x5x7: SAR (1g): 0.399 mW/g, SAR (10g): 0.217 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.01 dB





Plot #11

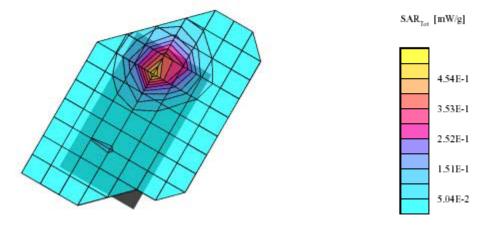
HTC, Model: PM10C (Left Head, Tilted with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liqiud Temp = 22 Deg C, 12/8/2004)

SAM Phantom; Left Hand Section; Position: $(90^{\circ},60^{\circ})$; Frequency: 1880 MHz Probe: ET3DV6 - SN1604; ConvF(5.23,5.23,5.23); Crest factor: 8.0; (Head) 1900 MHz: σ = 1.41 mho/m ϵ_r = 39.2 ρ = 1.31 g/cm³

Cube 5x5x7: SAR (1g): 0.532 mW/g, SAR (10g): 0.293 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.03 dB



Plot #12

HTC, Model: PM10C (Right Head, Cheek with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, 12/8/2004)

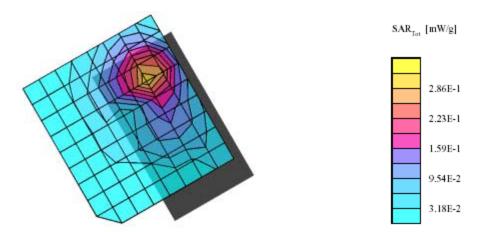
SAM Phantom; Righ Hand Section; Position: (90°,300°); Frequency: 1880 MHz

Probe: ET3DV6 - SN1604; ConvF(5.23,5.23,5.23); Crest factor: 8.0; (Head) 1900 MHz: $\sigma = 1.41 \text{ mho/m} \text{ s}_r = 39.2 \text{ p} = 1.31 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.308 mW/g, SAR (10g): 0.173 mW/g, (Worst-case extrapolation)

Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: -0.01 dB



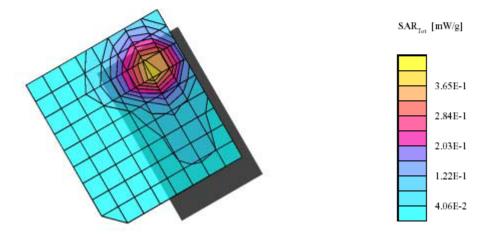
HTC, Model: PM10C (Right Head, Tilted with BT activate, Middle Channel, Ambient Temp = 23 Deg C, Liqiud Temp = 22 Deg C, 12/8/2004)

SAM Phantom; Righ Hand Section; Position: (90°,300°); Frequency: 1880 MHz

Probe: ET3DV6 - SN1604; ConvF(5.23,5.23,5.23); Crest factor: 8.0; (Head) 1900 MHz: $\sigma = 1.41 \text{ mho/m} \ \epsilon_r = 39.2 \ \rho = 1.31 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.403 mW/g, SAR (10g): 0.229 mW/g, (Worst-case extrapolation) Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: 0.02 dB



Plot #14

APPENDIX F – CONDUCTED OUTPUT POWER MEASUREMENT

Provision Applicable

According to FCC §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts. According to FCC § 24.232(b), EIRP peak power for mobile/portable stations are limited to 2 watts.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Test equipment

Hewlett Packard HP8564E Spectrum Analyzer, Calibration Due Date: 2005-08-01. Hewlett Packard HP 7470A Plotter, Calibration not required.

A.H. Systems SAS200 Horn Antenna, Calibration Due Date: 2005-05-31 Com-Power AB-100 Dipole Antenna, Calibration Due Date: 2005-09-05

Test Results

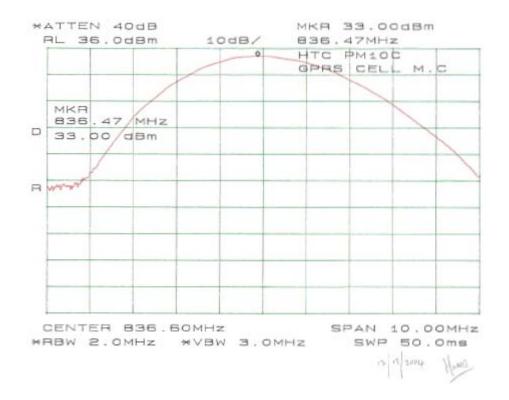
GSM:

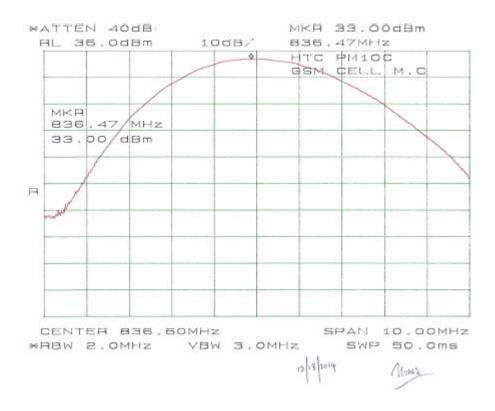
Frequency (MHz)	Output Power in dBm	Output Power in W	Limit (W)
836.60	33	1.995	7
1880.00	29.50	0.891	2

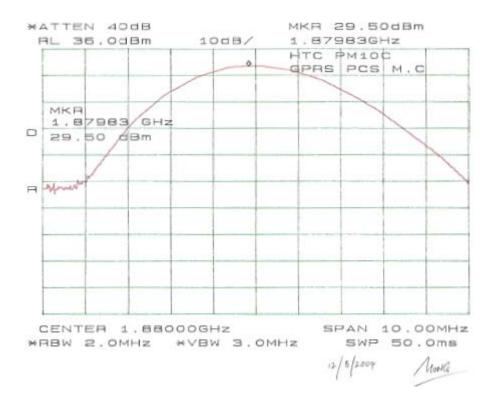
GPRS:

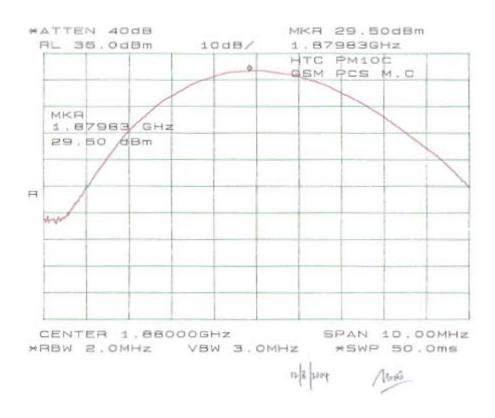
Frequency (MHz)	Output Power in dBm	Output Power in W	Limit (W)
836.60	33	1.995	7
1880.00	29.50	0.891	2

Please refer to the following plots.









APPENDIX G – Z-AXIS PLOT

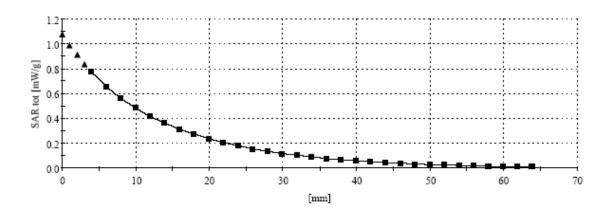
HTC, Model #: PM10C (850 MHz GSM + BT activate, 1.5 cm separation to flat phantom with accessory (headset, pouch, and memory card), Middle Channel, Ambient Temp = 23 Deg C, Liquid Temp = 22 Deg C, Middle Channel, 12/18/2004)

SAM Phantom; Section; Position: ; Frequency: 837 MHz

Probe: ES3DV2 - SN3019; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHZ Body : $\sigma = 0.93$ mho/m $\epsilon_{\rm r} = 55.4$ $\rho = 1.00$ g/cm³

:,()

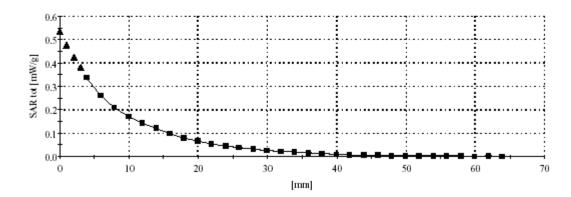
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 2.0



HTC, Model #: PM10C (GSM 1900 MHz + BT activate, Body Worn, Bottom touching flat phantom with accessory (headset and pouch), Mid Channel, Ambient Temp = 23 C, Liquid Temp = 22 C, 12/8/2004) SAM Phantom; Section; Position: ; Frequency: 1880 MHz

Probe: ET3DV2 - SN3019; ConvF(4.60,4.60), Crest factor: 1.0; Body Liquid 1900 MHz: σ = 1.50 mho/m ε, = 53.4 ρ = 1.00 g/cm³

: , () Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 2.0

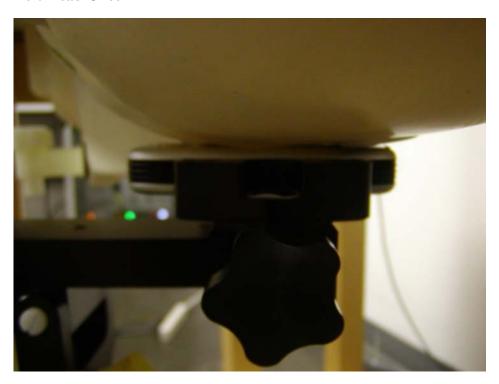


APPENDIX H – EUT TEST POSITION PHOTOS

Bottom Touching 1cm Flat Phantom with Accessory



Left Head Cheek



Left Head Tilted



Right Tilted



Right Head, Cheek



APPENDIX I – EUT & ACCESSORIES PHOTOS

Chassis - Top View



Chassis - Back View



Chassis – Port View



Chassis – Cover off View



Chassis - Battery off View



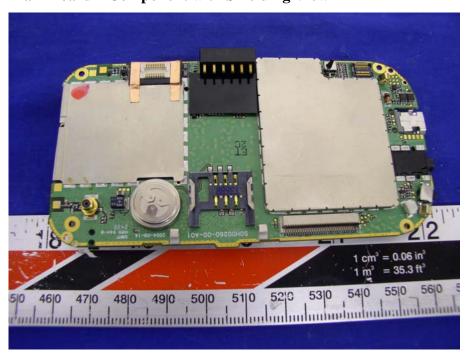
Chassis – Battery View



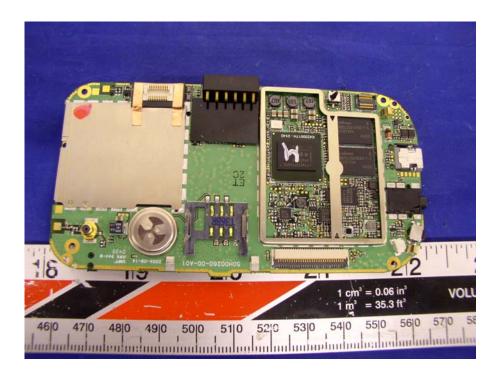
Chassis - Open View



Main Board - Component with Shielding View



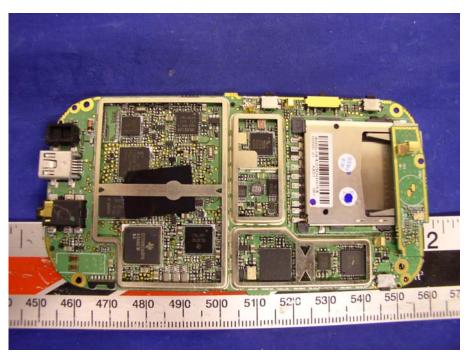
Main Board - Component without Shielding View



Main Board - Solder with Shielding View



$\label{eq:main-board-Solder} \textbf{Main Board-Solder without Shielding View}$



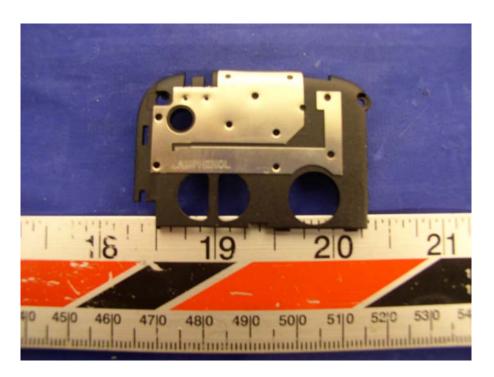
LCD Display View 1



LCD Display View 2



Antenna View



Adapter View



Data Cable View



Pouch View



APPENDIX J - INFORMATIVE REFERENCES

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