



**ANNEX C**  
**of**  
**ShenZhen Electronic Product Quality Testing Center**  
**CONFORMANCE TEST REPORT FOR**  
**HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS**

**SAR06-026**

**Qingdao Haier Telecom Co.,Ltd**

**MOBILE PHONE**

**Type Name: HG-Z1700**

**Hardware Version: P1**

**Software Version: Z1700-H01-S002-CHN**

**Sample Photographs**

**This Annex consists of 3 pages**

**Date of Report: 2006-9-13**



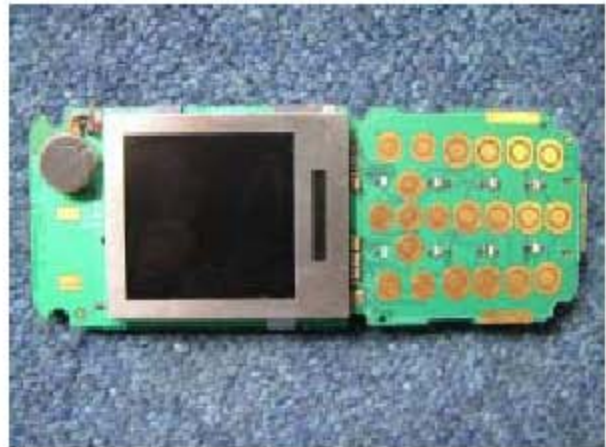
No. SAR06-026

1. Photograph of the Equipment under Test

1.1. Appearance



1.2 Inside







**ANNEX D**  
**of**  
**ShenZhen Electronic Product Quality Testing Center**  
**CONFORMANCE TEST REPORT FOR**  
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**SAR06-026**

**Qingdao Haier Telecom Co.,Ltd**

**MOBILE PHONE**

**Type Name: HG-Z1700**

**Hardware Version: P1**

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**Graph Test Results**

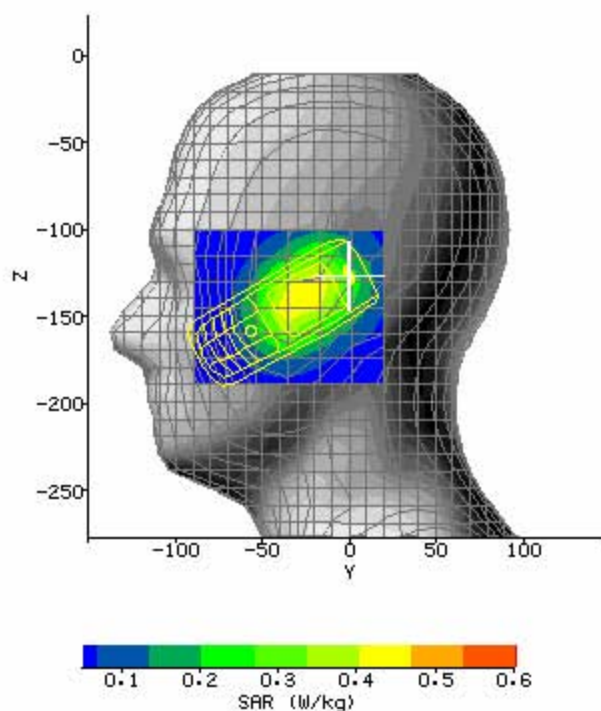
**This Annex consists of 37 pages**

**Date of Report: 2006-9-13**



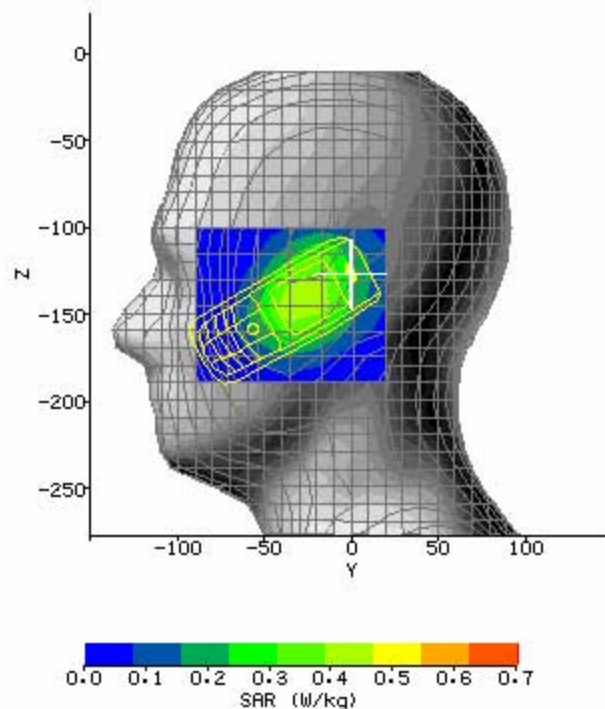
## SAR Test GSM 850 LH\_TouchCheek (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.03dB
<b>Date / Time:</b>	2006-6-2 16:52:05	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH_TouchCheek_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-25.83 mm
<b>DUT Position:</b>	HG-Z1700_850LH_TouchCheek_B	<b>Max SAR Z-axis Location:</b>	-139.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	24.07 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.545 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.381 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.293 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.290 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-1.13 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



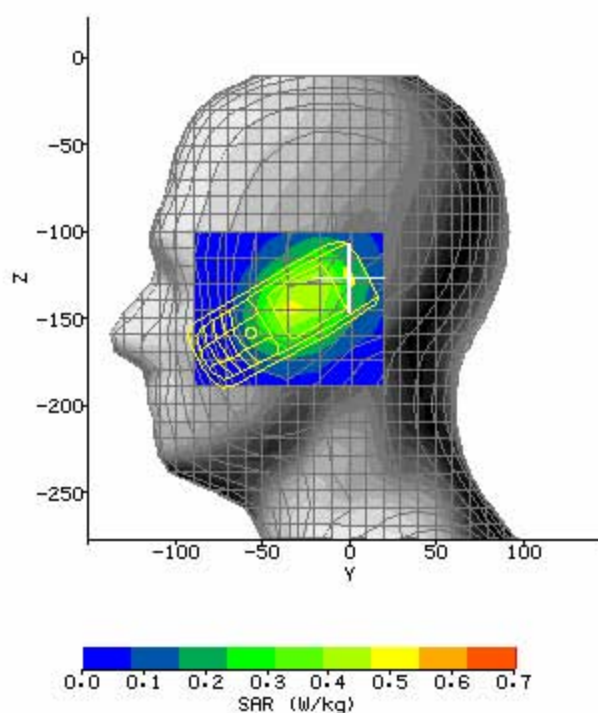
SAR Test GSM 850 LH\_TouchCheek (Middle Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.09dB
<b>Date / Time:</b>	2006-6-2 17:04:20	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH_TouchCheek_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-25.83 mm
<b>DUT Position:</b>	HG-Z1700_850LH_TouchCheek_M	<b>Max SAR Z-axis Location:</b>	-140.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	24.82 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.575 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.403 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.307 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.316 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.94 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



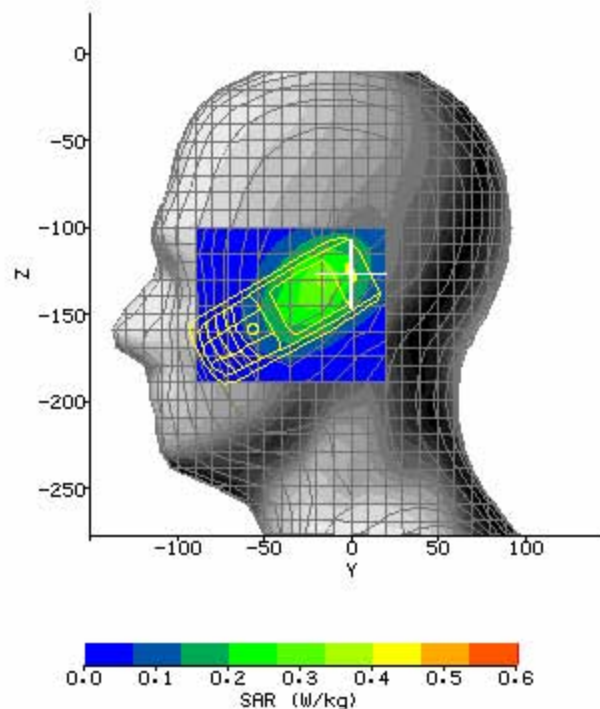
## SAR Test GSM 850 LH\_TouchCheek (Top Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.05dB
<b>Date / Time:</b>	2006-6-2 17:16:13	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH_TouchCheek_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-27.67 mm
<b>DUT Position:</b>	HG-Z1700_850LH_TouchCheek_T	<b>Max SAR Z-axis Location:</b>	-140.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	25.07 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.573 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.400 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.304 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.309 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.73 %
<b>Diode Compression Factors (V<sup>2</sup>/200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



## SAR Test GSM 850 LH\_Tilt15 (Bottom Channel)

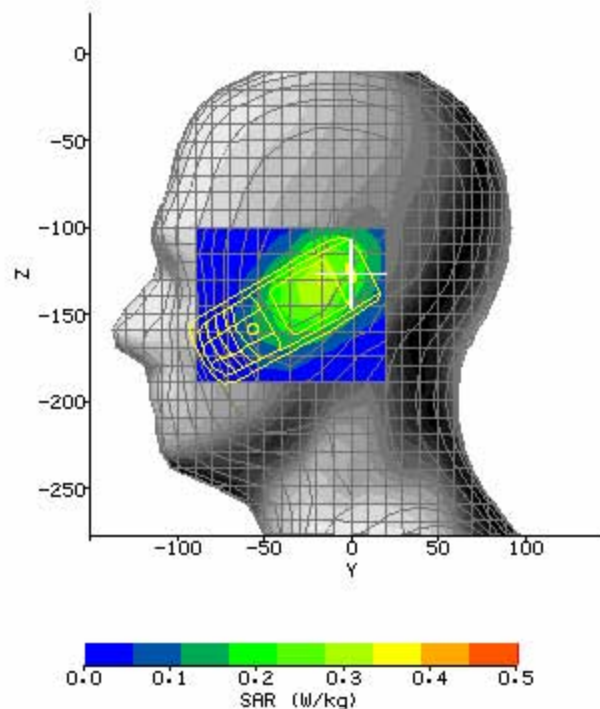
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.03dB
<b>Date / Time:</b>	2006-6-2 17:49:55	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH _Tilt15_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	58%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-18.50 mm
<b>DUT Position:</b>	HG-Z1700_850LH _Tilt15_B	<b>Max SAR Z-axis Location:</b>	-133.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	23.80 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.388 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.271 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.205 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.207 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.11 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4





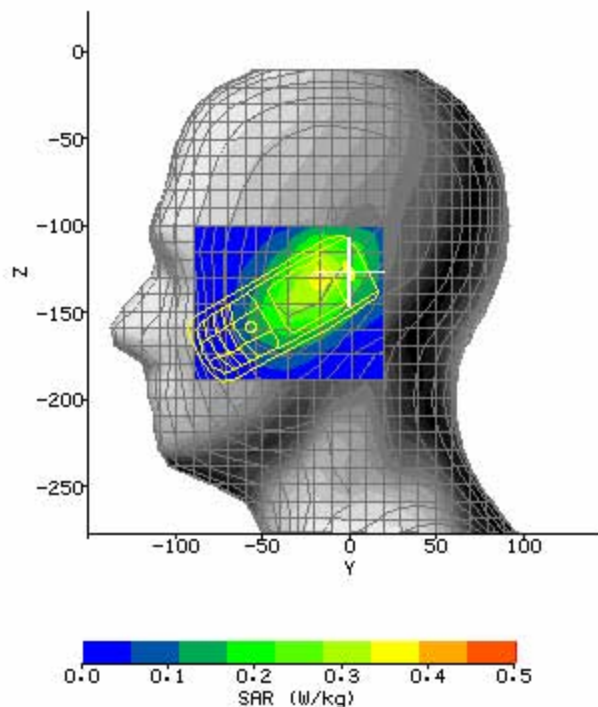
## SAR Test GSM 850 LH\_Tilt15 (Middle Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.01 dB
<b>Date / Time:</b>	2006-6-2 17:38:45	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH _Tilt15_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	58%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-18.50 mm
<b>DUT Position:</b>	HG-Z1700_850LH _Tilt15_M	<b>Max SAR Z-axis Location:</b>	-133.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	22.41 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.408 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.288 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.224 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.224 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-0.35 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



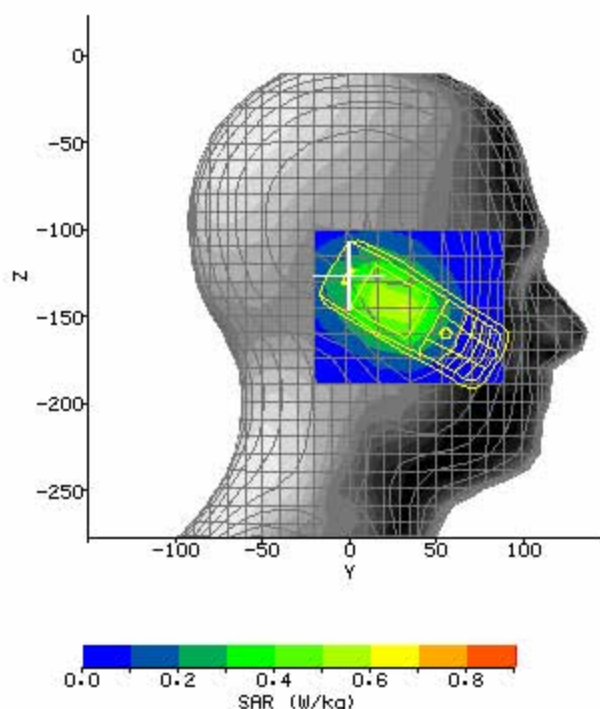
SAR Test GSM 850 LH\_Tilt15 (Top Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.09dB
<b>Date / Time:</b>	2006-6-2 17:27:16	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850LH_Tilt15_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.7°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	58%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-16.67 mm
<b>DUT Position:</b>	HG-Z1700_850LH_Tilt15_T	<b>Max SAR Z-axis Location:</b>	-131.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	21.54 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.403 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.287 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.232 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.225 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-2.93 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



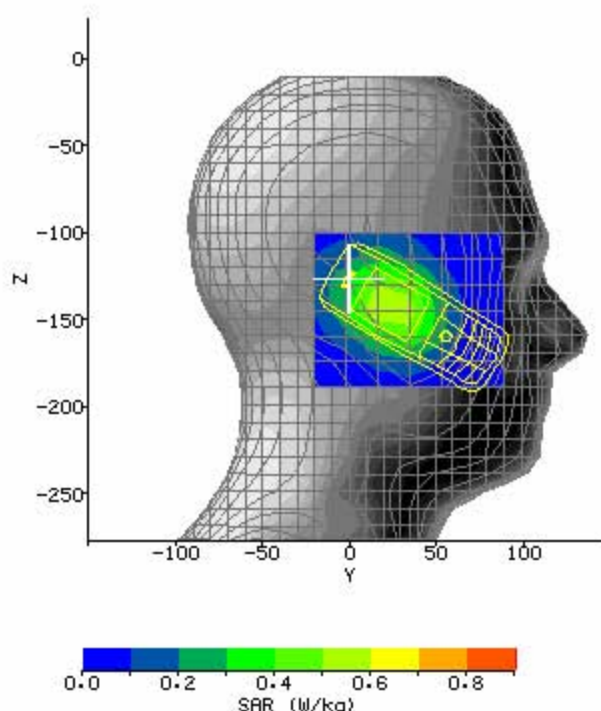
SAR Test GSM 850 RH\_TouchCheek (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.08dB
<b>Date / Time:</b>	2006-6-2 15:41:25	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH _TouchCheek_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	25.83 mm
<b>DUT Position:</b>	HG-Z1700_850RH _TouchCheek_B	<b>Max SAR Z-axis Location:</b>	-143.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	29.12 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.755 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.516 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.395 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.373 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-2.51 %
<b>Diode Compression Factors (V<sup>2</sup>00):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



## SAR Test GSM 850 RH\_TouchCheek (Middle Channel)

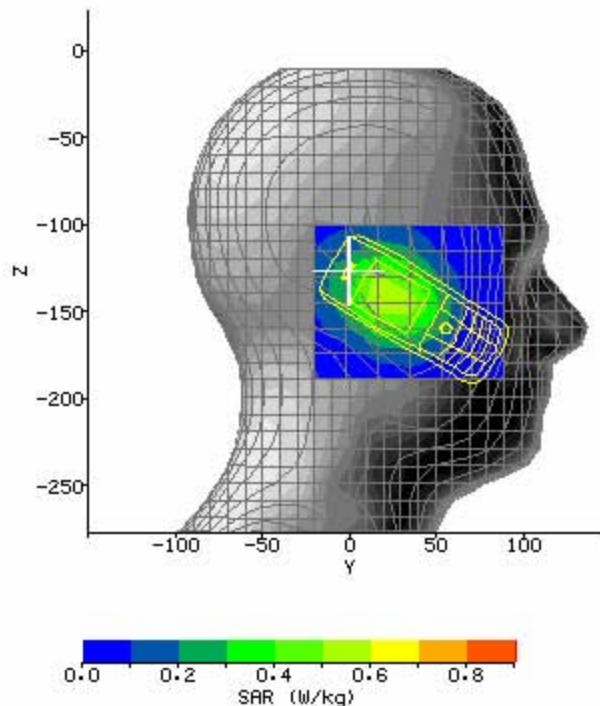
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.03dB
<b>Date / Time:</b>	2006-6-2 15:53:01	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH _TouchCheek_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	24.00 mm
<b>DUT Position:</b>	HG-Z1700_850RH _TouchCheek_M	<b>Max SAR Z-axis Location:</b>	-142.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	29.27 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.788 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.537 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.389 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.393 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	0.96 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4





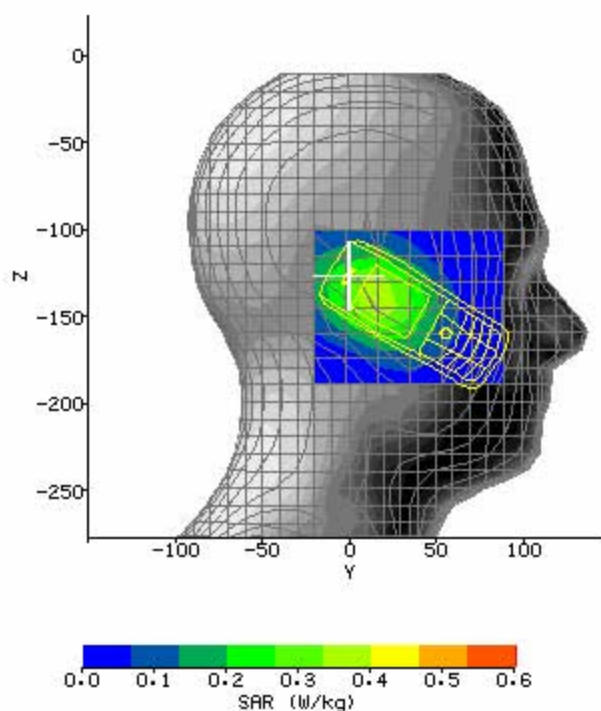
SAR Test GSM 850 RH\_TouchCheek (Top Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.04dB
<b>Date / Time:</b>	2006-6-2 16:04:52	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH_TouchCheek_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	24.00 mm
<b>DUT Position:</b>	HG-Z1700_850RH_TouchCheek_T	<b>Max SAR Z-axis Location:</b>	-142.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	29.48 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.787 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.529 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.388 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.382 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-1.44 %
<b>Diode Compression Factors (V<sup>2</sup>/200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



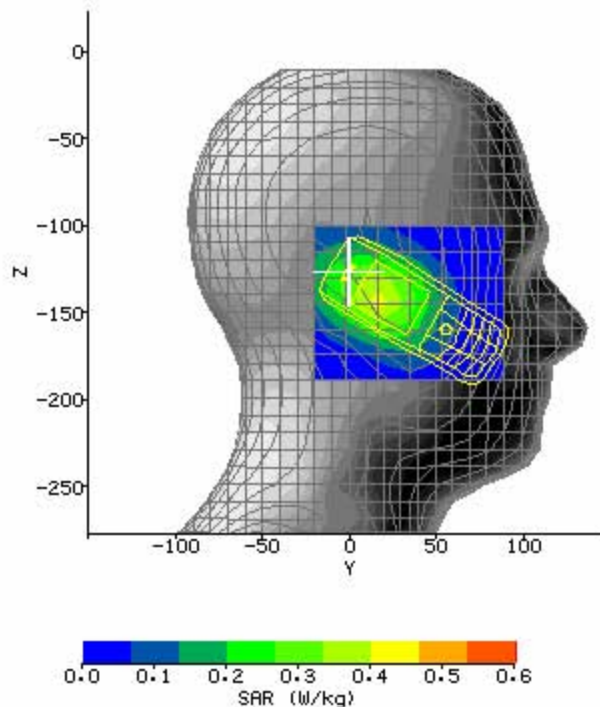
## SAR Test GSM 850 RH\_Tilt15 (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.00dB
<b>Date / Time:</b>	2006-6-2 16:37:53	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH_Tilt15_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	16.67 mm
<b>DUT Position:</b>	HG-Z1700_850RH_Tilt15_B	<b>Max SAR Z-axis Location:</b>	-139.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	24.62 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.483 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.337 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.268 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.268 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-0.02 %
<b>Diode Compression Factors (V<sup>2</sup>00):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



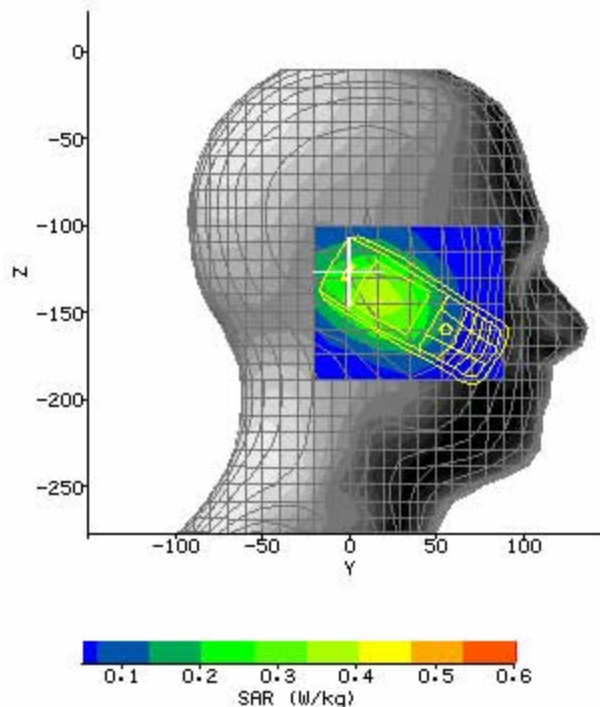
SAR Test GSM 850 RH\_Tilt15 (Middle Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.08dB
<b>Date / Time:</b>	2006-6-2 16:26:53	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH _Tilt15_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	16.67 mm
<b>DUT Position:</b>	HG-Z1700_850RH _Tilt15_M	<b>Max SAR Z-axis Location:</b>	-140.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	24.41 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.510 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.355 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.272 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.280 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.70 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



SAR Test GSM 850 RH\_Tilt15 (Top Channel)

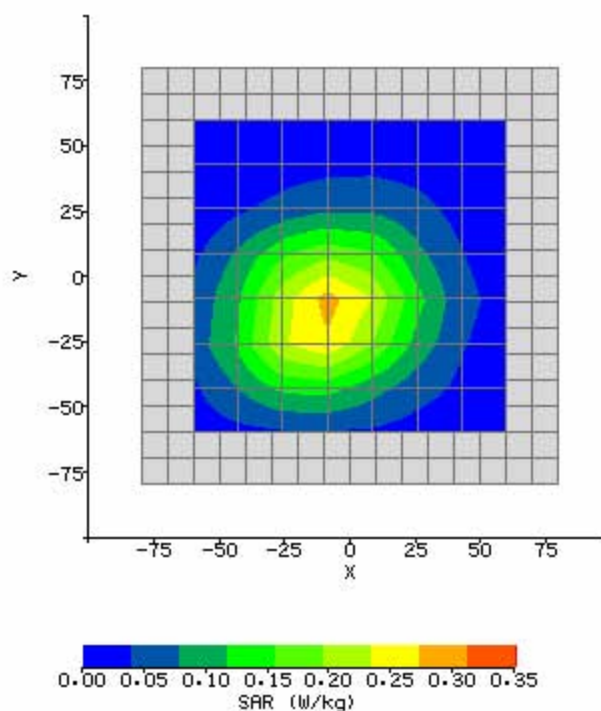
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.05dB
<b>Date / Time:</b>	2006-6-2 16:15:59	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_850RH_Tilt15_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	41.22
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	.975
<b>Phantom S/No:</b>	Head_380SH.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR Y-axis Location:</b>	18.50 mm
<b>DUT Position:</b>	HG-Z1700_850RH_Tilt15_T	<b>Max SAR Z-axis Location:</b>	-142.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	23.75 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.516 W/kg
<b>Air Factors:</b>	417.2 / 368.0 / 414.8	<b>SAR 10g:</b>	0.349 W/kg
<b>Conversion Factors:</b>	.287 / .287 / .287	<b>SAR Start:</b>	0.265 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.270 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	1.86 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4





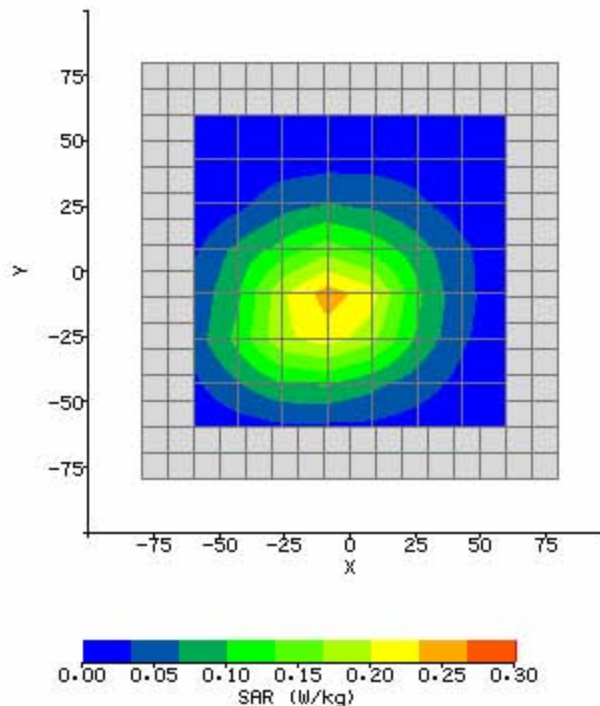
## SAR Test GSM 850 Side (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.02dB
<b>Date / Time:</b>	2006-6-9 10:19:47	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG_Z1700 _850Body_Side_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	55.02
<b>Relative Humidity:</b>	61%	<b>Conductivity:</b>	1.016
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-8.57 mm
<b>DUT Position:</b>	HG-Z1700 _850Body_Side_B	<b>Max SAR Y-axis Location:</b>	-13.71 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	17.48 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.353 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.242 W/kg
<b>Conversion Factors:</b>	.271 / .271 / .271	<b>SAR Start:</b>	0.097 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.096 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-0.83 %
<b>Diode Compression Factors (V<sup>2</sup>00):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



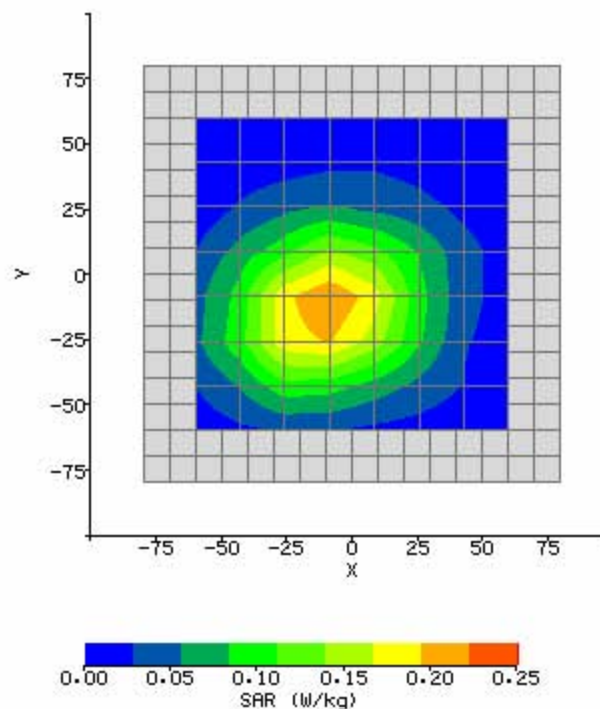
SAR Test GSM 850 Side (Middle Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.01 dB
<b>Date / Time:</b>	2006-6-9 10:32:59	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG_Z1700 _850Body_Side_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	55.02
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	1.016
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-6.86 mm
<b>DUT Position:</b>	HG-Z1700 _850Body_Side_M	<b>Max SAR Y-axis Location:</b>	-13.71 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	16.49 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.307 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.214 W/kg
<b>Conversion Factors:</b>	.271 / .271 / .271	<b>SAR Start:</b>	0.083 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.083 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	0.25 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



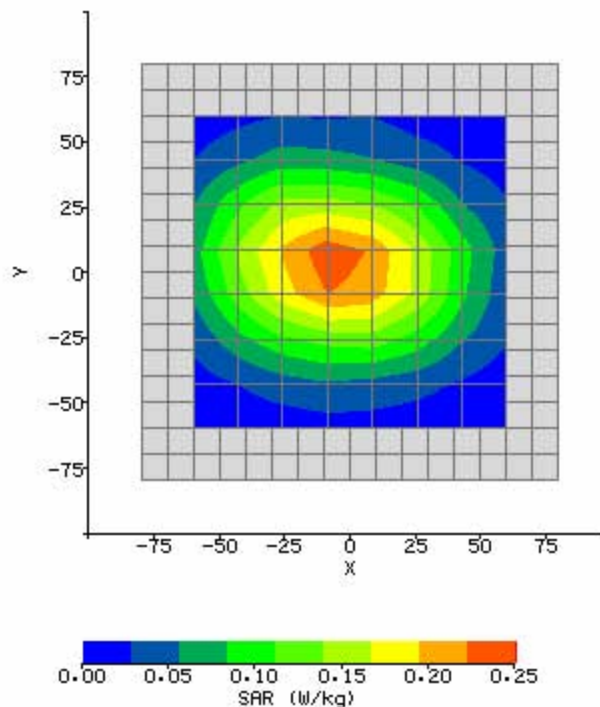
## SAR Test GSM 850 Side (Top Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.06dB
<b>Date / Time:</b>	2006-6-9 10:42:57	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG_Z1700 _850Body_Side_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	55.02
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	1.016
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-10.29 mm
<b>DUT Position:</b>	HG-Z1700 _850Body_Side_T	<b>Max SAR Y-axis Location:</b>	-13.71 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	15.34 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.272 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.189 W/kg
<b>Conversion Factors:</b>	.271 / .271 / .271	<b>SAR Start:</b>	0.075 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.073 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-1.96 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



SAR Test GSM 850 Side (Bottom Channel, with earphone)

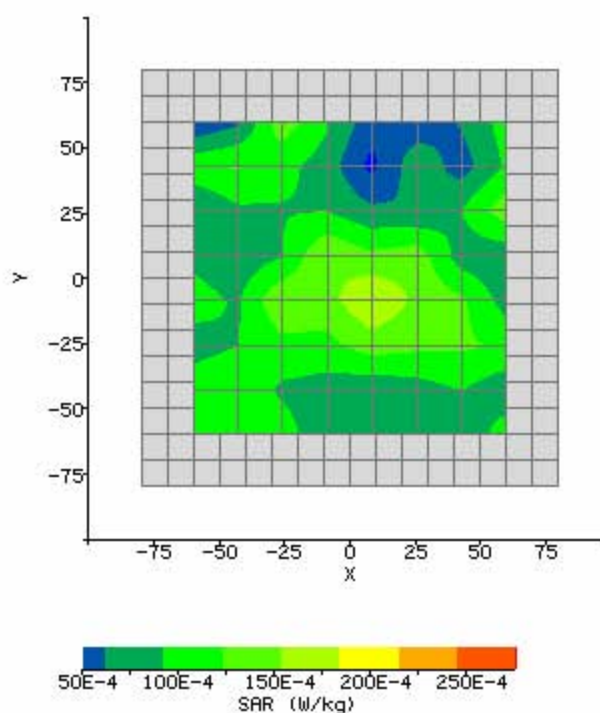
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.07 dB
<b>Date / Time:</b>	2006-6-9 10:55:39	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG_Z1700 _850Body_Side_B1.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	55.02
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	1.016
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-5.18 mm
<b>DUT Position:</b>	HG-Z1700 _850Body_Side_B1	<b>Max SAR Y-axis Location:</b>	1.74 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	15.11 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.291 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.196 W/kg
<b>Conversion Factors:</b>	.271 / .271 / .271	<b>SAR Start:</b>	0.079 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.078 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-2.36 %
<b>Diode Compression Factors (V<sup>2</sup>00):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4





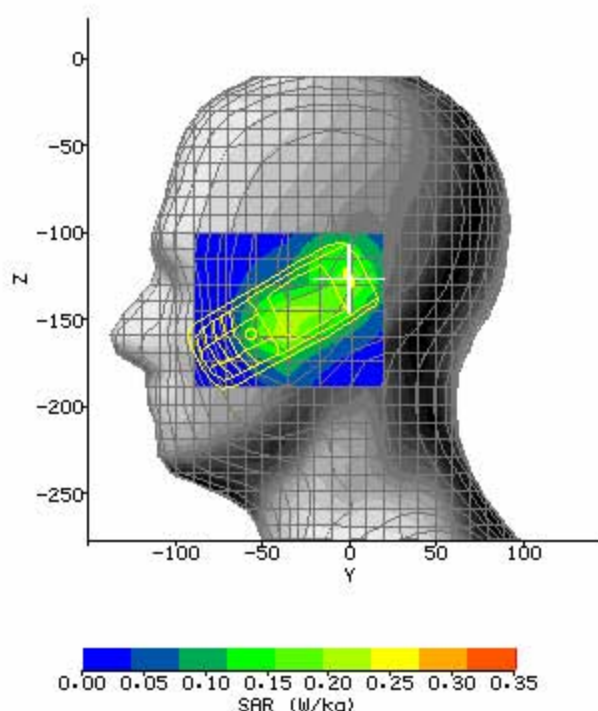
**SAR Test GSM 850 Side (Bottom Channel, face to phantom)**

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.08dB
<b>Date / Time:</b>	2006-9-12 9:50:05	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700 _850Body_Side_B2.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.5°C	<b>Liquid Simulant:</b>	Body tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	55.05
<b>Relative Humidity:</b>	56%	<b>Conductivity:</b>	1.016
<b>Phantom S/No:</b>	HeadBox75mm.csv	<b>Liquid Temperature:</b>	23.1°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	8.57 mm
<b>DUT Position:</b>	HG_Z1700 _850Body_Side_B2	<b>Max SAR Y-axis Location:</b>	-8.57 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	5.12 V/m
<b>Test Frequency:</b>	850MHz	<b>SAR 1g:</b>	0.025 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.016 W/kg
<b>Conversion Factors:</b>	.271 / .271 / .271	<b>SAR Start:</b>	0.015 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.016 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.73 %
<b>Diode Compression Factors (V<sup>2</sup>200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level5(33dBm)	<b>Extrapolation:</b>	poly4



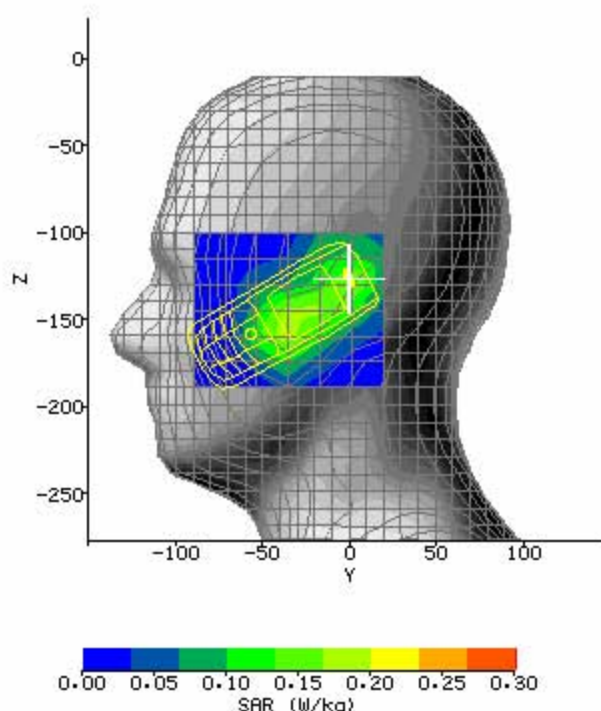
## SAR Test PCS 1900 LH\_TouchCheek (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.08dB
<b>Date / Time:</b>	2006-6-8 15:47:59	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_1900LH_TouchCheek_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.5°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	40.11
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	1.397
<b>Phantom S/No:</b>	Head_381SH.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-33.17 mm
<b>DUT Position:</b>	HG-Z1700_1900LH_TouchCheek_B	<b>Max SAR Z-axis Location:</b>	-152.50 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	14.91 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.308 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.201 W/kg
<b>Conversion Factors:</b>	.325 / .325 / .325	<b>SAR Start:</b>	0.145 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.149 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	2.66 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level0(30dBm)	<b>Extrapolation:</b>	poly4



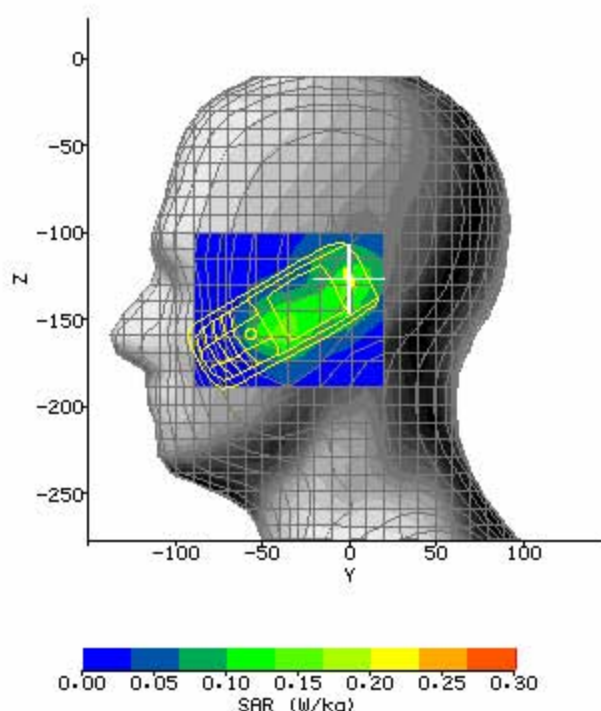
**SAR Test PCS 1900 LH\_TouchCheek (Middle Channel)**

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.10dB
<b>Date / Time:</b>	2006-6-8 16:12:33	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_1900LH _TouchCheek_M.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	40.11
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	1.397
<b>Phantom S/No:</b>	Head_381SH.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-31.33 mm
<b>DUT Position:</b>	HG-Z1700_1900LH _TouchCheek_M	<b>Max SAR Z-axis Location:</b>	-151.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	13.92 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.244 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.167 W/kg
<b>Conversion Factors:</b>	.325 / .325 / .325	<b>SAR Start:</b>	0.112 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.109 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-3.22 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level0(30dBm)	<b>Extrapolation:</b>	poly4



**SAR Test PCS 1900 LH\_TouchCheek (Top Channel)**

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	-0.08dB
<b>Date / Time:</b>	2006-6-8 16:25:04	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_1900LH_TouchCheek_T.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	40.11
<b>Relative Humidity:</b>	59%	<b>Conductivity:</b>	1.397
<b>Phantom S/No:</b>	Head_381SH.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	-35.00 mm
<b>DUT Position:</b>	HG-Z1700_1900LH_TouchCheek_T	<b>Max SAR Z-axis Location:</b>	-154.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	13.69 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.202 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.130 W/kg
<b>Conversion Factors:</b>	.325 / .325 / .325	<b>SAR Start:</b>	0.093 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.090 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	-2.74 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level0(30dBm)	<b>Extrapolation:</b>	poly4





## SAR Test PCS 1900 LH\_Tilt15 (Bottom Channel)

<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	0.12dB
<b>Date / Time:</b>	2006-6-8 16:57:35	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	HG-Z1700_1900LH_Tilt15_B.txt	<b>Probe Serial Number:</b>	0177
<b>Ambient Temperature:</b>	23.6°C	<b>Liquid Simulant:</b>	Head tissue
<b>Device Under Test:</b>	HG-Z1700	<b>Relative Permittivity:</b>	40.11
<b>Relative Humidity:</b>	60%	<b>Conductivity:</b>	1.397
<b>Phantom S/No:</b>	Head_381SH.csv	<b>Liquid Temperature:</b>	23.2°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR Y-axis Location:</b>	1.67 mm
<b>DUT Position:</b>	HG-Z1700_1900LH_Tilt15_B	<b>Max SAR Z-axis Location:</b>	-118.00 mm
<b>Antenna Configuration:</b>	Build inside	<b>Max E Field:</b>	14.73 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	0.257 W/kg
<b>Air Factors:</b>	417 / 368 / 414	<b>SAR 10g:</b>	0.158 W/kg
<b>Conversion Factors:</b>	.325 / .325 / .325	<b>SAR Start:</b>	0.113 W/kg
<b>Type of Modulation:</b>	GMSK	<b>SAR End:</b>	0.117 W/kg
<b>Modn. Duty Cycle:</b>	8	<b>SAR Drift during Scan:</b>	3.85 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	20/05/05
<b>Input Power Level:</b>	Level0(30dBm)	<b>Extrapolation:</b>	poly4

