

14. SAR DATA SUMMARY

Mixture Type: 835MHz Muscle

P/N: MC9094-KKCHJEHA6WW

MEASUREMENT RESULTS (GSM 850MHz, Body SAR – w/ Holster) 14.1 Begin / End WLAN Data Separation **FREQUENCY Average** SAR **Test** Memory BT Modulation 802.11abg Rate Antenna Distance **POWER**[‡] **Position** Card (MHz) (W/kg) MHz (Mbps) (cm) MHz Ch. (dBm) 33.00 33.00 836.6 190 **GSM** 2.5 cm 0.016 Front Fixed 33.00 2.5 cm 836.6 190 **GSM** 33.00 Back _ Fixed 0.172 836.6 190 **GSM** 33.00 33.00 2441 Fixed 2.5 cm 0.198 Back SD 836.6 190 **GSM** 33.00 33.00 Back 2437 11 SD 2441 Fixed 2.5 cm 0.237 836.6 190 **GSM** 33.00 33.00 Back 2437 12 SD 2441 Fixed 2.5 cm 0.207 190 GSM 33.00 SD 836.6 33.00 Back 5260 18 2441 Fixed 2.5 cm 0.212 836.6 190 **GSM** 33.00 33.00 Back 5785 18 SD 2441 Fixed 2.5 cm 0.209 **836.6 190 GSM 33.00 33.00 Back 2437 18 SD 2441 Fixed 2.5 cm 0.210 **ANSI / IEEE C95.1 1992 - SAFETY** Muscle LIMIT 1.6 W/kg (mW/g) averaged over 1 gram **Spatial Peak Uncontrolled Exposure/General Population**

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data bit rates, and worst-case results are reported.

3. Battery is fully charged for all readings. Standard Batteries are the only options.

	*Power Measured	X	Conducted		ERP	EIRP
4.	SAR Measurement System	\boxtimes	DASY4		IDX	
	Phantom Configuration		Left Head	X	Flat Phantom	Right Head
5.	SAR Configuration		Head	X	Body	Hand
ó.	Test Signal Call Mode	X	Software		Base Station Simulator	

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1
- 9. ** Alternate GSM Antenna tested, worst-case results reported.

PCTEST™ SAR REPORT	Complete Wireless Lab*	FCC CERTIFIC	CATION sy	mbel	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 18 of 34



Mixture Type: 1900MHz Muscle

P/N: MC9094-KKCHJEHA6WW

FREQUI	NCY	Modulation	Begin Ave POV	age	Test Position	Position 802.11abg Rate			BT (MHz)	Antenna		SAR (W/kg)
MHz	Ch.		(dB	m)		(MHz)	(Mbps)	Card	, ,		(cm)	(11,118)
1880.0	661	GSM	30.0	30.0	Front	-	-	-	-	Fixed	2.5 cm	0.019
1880.0	661	GSM	30.0	30.0	Back	-	-	-	-	Fixed	2.5 cm	0.178
1880.0	661	GSM	30.0	30.0	Back	-	-	SD	2441	Fixed	2.5 cm	0.191
1880.0	661	GSM	30.0	30.0	Back	2437	11	SD	2441	Fixed	2.5 cm	0.185
1880.0	661	GSM	30.0	30.0	Back	2437	12	SD	2441	Fixed	2.5 cm	0.172
1880.0	661	GSM	30.0	30.0	Back	5260	18	SD	2441	Fixed	2.5 cm	0.204
1880.0	661	GSM	30.0	30.0	Back	5785	18	SD	2441	Fixed	2.5 cm	0.251
**1880.0	661	GSM	30.0	30.0	Back	5785	18	SD	2441	Fixed	2.5 cm	0.417
ANSI / I	NSI / IEEE C95.1 1992 - SAFETY LIMI Spatial Peak								cle (mW/g) ver 1 gram)		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data bit rates, and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

	*Power Measured	X	Conducted		ERP	EIRP
4.	SAR Measurement System	X	DASY4		IDX	
	Phantom Configuration		Left Head	X	Flat Phantom	Right Head
5.	SAR Configuration		Head	X	Body	Hand
6.	Test Signal Call Mode	X	Software		Base Station Simulator	

7. Tissue parameters and temperatures are listed on the SAR plots.

Population

- 8. Liquid tissue depth is 15.1 cm. \pm 0.1
- 9. ** Alternate GSM Antenna tested, worst-case results reported.



PCTEST™ SAR REPORT	PCTEST' Complete Wireless Lab"		CATION Syn	mbel	Reviewed by: Quality Manager
	est Dates: July 18-19 * ug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 19 of 34



Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.3	ME	ASUREM	ENT R	ESUL	TS (802	2.11b,	Body	/ SAR -	- w/ Ho	lster)		
FREQU	ENCY	Modulation	Ave	/ End rage VER [‡]	Test Position	Data Rate	BT (MHz)	Memory Card	GSM 850/1900	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(dE	Bm)		(Mbps)	, ,		(MHz)		(cm)	(,)
2437	06	DSSS	19.42	19.41	Front	5.5	-	-	-	Diversity	2.5 cm	0.045
2437	06	DSSS	19.43	19.42	Back	5.5	-	-	-	Diversity	2.5 cm	0.009
2437	06	DSSS	19.39	19.40	Front	5.5	-	-	-	Main	2.5 cm	0.056
2437	06	DSSS	19.42	19.42	Front	5.5	-	-	-	Aux	2.5 cm	0.059
2437	06	DSSS	19.41	19.40	Front	1	-	-	-	Aux	2.5 cm	0.043
2437	06	DSSS	19.39	19.39	Front	2	-	-	-	Aux	2.5 cm	0.048
2437	06	DSSS	19.43	19.43	Front	11	-	-	-	Aux	2.5 cm	0.064
2437	06	DSSS	19.41	19.39	Front	11	2441	SD	-	Aux	2.5 cm	0.068
2437	06	DSSS	19.40	19.41	Front	11	2441	SD	836.6	Aux	2.5 cm	0.082
2437	06	DSSS	19.42	19.42	Front	11	2441	SD	1880.0	Aux	2.5 cm	0.079
ANSI /	IEEE (C95.1 1992 -	SAFETY	LIMIT					Auscle			
		Spatial Peal	k		1.6 W/kg (mW/g)							
Uı	ncontr	olled Exposu Population		ral	averaged over 1 gram							

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated, and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

*Power Measured Conducted ERP SAR Measurement System DASY4 IDX 4. Phantom Configuration Left Head X Flat Phantom Right Head 5. SAR Configuration Head X Hand Body Test Signal Call Mode Software Base Station Simulator 6.

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT	Complete Wireless Lab*	FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 20 of 34



Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.4	ME	ASUREM	ENT	RESU	LTS (II	EEE 802.	11g, B	ody	SAR -	- w/ H	olster)	
FREQUI	ENCY	Modulation	Ave	/ End rage VER‡	Test Position	GSM 850/1900	Data Rate	Mem. Card	BT (MHz)	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(dI	3m)		(MHz)	(Mbps)				(cm)	(***/***/
2437	06	OFDM	19.34	19.33	Front	-	6	-	-	Aux	2.5 cm	0.045
2437	06	OFDM	19.33	19.32	Front	-	9	-	-	Aux	2.5 cm	0.047
2437	06	OFDM	19.34	19.34	Front	-	12	-	-	Aux	2.5 cm	0.051
2437	06	OFDM	19.33	19.35	Front	-	18	-	-	Aux	2.5 cm	0.042
2437	06	OFDM	19.35	19.34	Front	-	24	ı	-	Aux	2.5 cm	0.044
2437	06	OFDM	19.34	19.33	Front	-	36	ı	ı	Aux	2.5 cm	0.039
2437	06	OFDM	19.35	19.34	Front	-	48	ı	ı	Aux	2.5 cm	0.041
2437	06	OFDM	19.33	19.35	Front	-	54	-	-	Aux	2.5 cm	0.043
2437	06	OFDM	19.34	19.34	Front	-	12	SD	2441	Aux	2.5 cm	0.049
2437	06	OFDM	19.35	19.36	Front	836.6	12	SD	2441	Aux	2.5 cm	0.053
2437	06	OFDM	19.34	19.35	Front	1880.0	12	SD	2441	Aux	2.5 cm	0.057
ANSI / I	IEEE C	95.1 1992 - 9	SAFETY	LIMIT				Mu	scle			
		Spatial Peak			1.6 W/kg (mW/g)							
Und	contro	lled Exposure Population	e/Gene	ral			,	averaged	over 1 grar	n		

NOTES:

 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].

2. All modes of operation were investigated including all data bit rates, and worst-case results are reported.

3. Battery is fully charged for all readings. Standard Batteries are the only options.

 $oxed{\boxtimes}$ Conducted ERP EIRP *Power Measured SAR Measurement System X DASY4 IDX Left Head Phantom Configuration \times Flat Right Head SAR Configuration Head X Body Hand Test Signal Call Mode X Software Base Station

7. Tissue parameters and temperatures are listed on the SAR plots.

8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT	COMPLETE ST. Complete Wireless Lab* New of the stable of the	FCC CERTIFIC	CATION SY	mbei	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 21 of 34



Mixture Type: 5300MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.5 MEASUREMENT RESULTS (IEEE 802.11a/ 5.2 GHz, Body SAR – w/ Holster) Begin / End **GSM** Data Separation **FREQUENCY Average Test** Mem. BT SAR Modulation 850/1900 Antenna Rate Distance POWER* **Position** Card (MHz) (W/kg) (Mbps) (MHz) (cm) MHz Ch. (dBm) 5260 52 **OFDM** 18.96 18.98 Diversity 2.5 cm 0.084 Front 24 _ 52 **OFDM** 18.98 18.97 24 2.5 cm 0.007 5260 Back Main 5260 52 **OFDM** 18.97 18.97 Front 24 Aux 2.5 cm 0.096 5260 52 **OFDM** 18.97 18.98 24 2.5 cm 0.104 Front Aux 5260 52 **OFDM** 18.98 18.98 2.5 cm 0.092 Front 6 Aux 5260 52 **OFDM** 18.97 18.97 9 2.5 cm 0.107 Front Aux 52 18.96 18.96 12 5260 **OFDM** Front Aux 2.5 cm 0.118 5260 52 **OFDM** 18.96 18.97 18 2.5 cm 0.134 Front Aux 5260 52 **OFDM** 18.98 18.97 36 2.5 cm 0.127 Front Aux **OFDM** 18.97 5260 52 18.98 48 2.5 cm 0.105 Front _ Aux 52 **OFDM** 18.97 18.98 54 0.098 5260 Front Aux 2.5 cm 5260 52 **OFDM** 18.96 18.96 Front 18 SD 2441 Aux 2.5 cm 0.132 5260 52 **OFDM** 18.97 18.98 18 SD 2441 2.5 cm Front 836.6 Aux 0.146 5260 52 **OFDM** 18.97 18.97 Front 1880.0 18 SD 2441 Aux 2.5 cm 0.139 ANSI / IEEE C95.1 1992 - SAFETY LIMIT Muscle 1.6 W/kg (mW/g) **Spatial Peak** averaged over 1 gram **Uncontrolled Exposure/General Population**

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a 1. typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- Battery is fully charged for all readings. Standard Batteries are the only options.

*Power Measured **ERP EIRP**

SAR Measurement System DASY4 IDX 4.

□ Left Head Phantom Configuration X Flat Phantom Right Head

X 5. SAR Configuration □ Head Body Hand

Base Station Simulator Test Signal Call Mode 6.

7. Tissue parameters and temperatures are listed on the SAR plots.

Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT	Complete Wiveless Labrer of the Market State o	FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 22 of 34



SAR DATA SUMMARY

Mixture Type: 5800MHz Muscle

Model: MC9094-KKCHJEHA6WW

14.6	ME	ASUREM	ENT R	ESUL	TS (80	2.11	a/ 5.8 (GHz, B	ody S	SAR – v	v/ Holsto	er)
FREQU	ENCY	Modulation	Begin / End Average POWER‡		Test Position	Data Rate	GSM 850/1900	Memory Card	BT (MHz)	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(dE	Bm)		Mbps	(MHz)				(cm)	(11,1-8,
5805	161	OFDM	18.48	18.47	Front	18	1	-	-	Diversity	2.5 cm	0.079
5805	161	OFDM	18.47	18.46	Front	18	-	-	-	Main	2.5 cm	0.103
5805	161	OFDM	18.49	18.48	Front	18	1	-	-	Aux	2.5 cm	0.112
5805	161	OFDM	18.48	18.48	Front	18	-	SD	2441	Aux	2.5 cm	0.117
5805	161	OFDM	18.47	18.47	Front	18	836.6	SD	2441	Aux	2.5 cm	0.121
5805	161	OFDM	18.48	18.49	Front	18	1880.0	SD	2441	Aux	2.5 cm	0.128
	ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							1.6 W/	uscle kg (mW d over 1 gra			

NOTES:

- 1. The test data reported are the worst-case SAR value with the antenna position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

ERP EIRP *Power Measured SAR Measurement System DASY4 **IDX** 4. Phantom Configuration Left Head X Flat Phantom Right Head **SAR** Configuration Head Body Hand 5. Х ➤ Software **Base Station Simulator** 6. Test Signal Call Mode

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT	Complete Wireless Lab*	FCC CERTIFIC	ATION SY	mbel	Reviewed by: Quality Manager
	Fest Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 23 of 34



Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.7	ME	ASUREM	ENT R	ESUL	TS (Blu	ueto	oth, Boo	dy SAR	- w/	Holste	r)	
FREQU	ENCY	Modulation	Begin / End Average POWER‡		Test Position	Data Rate	GSM 850/1900	Memory Card	BT (MHz)	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(di	3m)		Mbps	(MHz)				(cm)	` ' 8'
2441	39	FHSS	-0.16	-0.18	Front	-	-	-	-	Fixed	2.5 cm	0.003
2441	39	FHSS	-0.15	-0.17	Front	-	-	SD	-	Fixed	2.5 cm	0.002
	ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							1.6 W/l	uscle kg (mW I over 1 gra			

NOTES:

- 1. The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

	[‡] Power Measured	X	Conducted		ERP		EIRP
4.	SAR Measurement System	X	DASY4		IDX		
	Phantom Configuration		Left Head	X	Flat Phantom		Right Head
5.	SAR Configuration		Head	X	Body		Hand
6.	Test Signal Call Mode	X	Software		Base Station Simula	ator	

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

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ics. july 10 15		EUT Type:	FCC ID:	Page 24 of 34
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15. SAR DATA SUMMARY

Mixture Type: 835MHz Muscle

Model: MC9094-SKCHJAHA6WW

15.1	ME	ASUREM	ENT RI	SULTS	(GSM 8	50MH	z, Body	y SAR	- w/ I	Holster)	
FREQUI	ENCY	Modulation		nd Average WER‡	Test	WLAN 802.11	Memory	ВТ	Antenna	Separation Distance	SAR
MHz	Ch.	Modulation	(d	Bm)	Position	a/b/g (MHz)	Card	(MHz)	7.11.0	(cm)	(W/kg)
836.6	190	GSM	33.00	33.00	Front	-	-	-	Fixed	2.5 cm	0.019
836.6	190	GSM	33.00	33.00	Back	-	-	-	Fixed	2.5 cm	0.169
836.6	190	GSM	33.00	33.00	Back	-	SD	2441	Fixed	2.5 cm	0.170
836.6	190	GSM	33.00	33.00	Back	2437	SD	2441	Fixed	2.5 cm	0.182
836.6	190	GSM	33.00	33.00	Back	2437	SD	2441	Fixed	2.5 cm	0.164
836.6	190	GSM	33.00	33.00	Back	5260	SD	2441	Fixed	2.5 cm	0.206
836.6	190	GSM	33.00	33.00	Back	5805	SD	2441	Fixed	2.5 cm	0.193
**836.6	190	GSM	33.00	33.00	Front	-	-	-	Fixed	2.5 cm	0.043
**836.6	190	GSM	33.00	33.00	Back	-	-	-	Fixed	2.5 cm	0.382
ANSI	ANSI / IEEE C95.1 1992 - SAFETY LIMIT							Muscle			
	Spatial Peak							V/kg (m			
Uncon	Uncontrolled Exposure/General Population						avera	ged over 1	gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

ERP EIRP *Power Measured Conducted SAR Measurement System X DASY4 IDX 4. Left Head Flat Phantom Right Head Phantom Configuration 5. SAR Configuration Head X Body Hand 6. Test Signal Call Mode Software Base Station Simulator

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1
- 9. ** Alternate GSM Antenna tested, worst-case results reported.

PCTEST™ SAR REPORT		. 00 02	CATION Syn	mbel	Reviewed by: Quality Manager
	est Dates: July 18-19 * .ug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 25 of 34



Mixture Type: 1900MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.2	ME	ASUREM	ENT RI	SULTS	(GSM 1	900MI	Hz, Bo	dy SA	R – w/	Holster)
FREQUI	ENCY	Modulation		nd Average WER‡	Test	WLAN 802.11	Memory	ВТ	Antenna	Separation	SAR
MHz	Ch.	Wiodulation	(d	Bm)	Position	a/b/g (MHz)	Card	(MHz)	Antenna	Distance (cm)	(W/kg)
1880.0	661	GSM	30.00	30.00	Front	-	-	-	Fixed	2.5 cm	0.021
1880.0	661	GSM	30.00	30.00	Back	-	-	-	Fixed	2.5 cm	0.163
1880.0	661	GSM	30.00	30.00	Back	-	SD	2441	Fixed	2.5 cm	0.174
1880.0	661	GSM	30.00	30.00	Back	2437	SD	2441	Fixed	2.5 cm	0.243
1880.0	661	GSM	30.00	30.00	Back	2437	SD	2441	Fixed	2.5 cm	0.199
1880.0	661	GSM	30.00	30.00	Back	5260	SD	2441	Fixed	2.5 cm	0.201
1880.0	661	GSM	30.00	30.00	Back	5805	SD	2441	Fixed	2.5 cm	0.187
**1880.0	661	GSM	30.00	30.00	Front	-	-	-	Fixed	2.5 cm	0.007
**1880.0	661	GSM	30.00	30.00	Back	-	-	-	Fixed	2.5 cm	0.395
ANSI	ANSI / IEEE C95.1 1992 - SAFETY LIMIT					•		Muscle			
	Spatial Peak							V/kg (m	W/g)		

Uncontrolled Exposure/General Population

averaged over 1 gram

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- Battery is fully charged for all readings. Standard Batteries are the only options. 3.

ERP *Power Measured Conducted EIRP DASY4 IDX SAR Measurement System Flat Phantom Phantom Configuration Left Head X Right Head X Body 5. SAR Configuration Head Hand X Software 6. Test Signal Call Mode Base Station Simulator

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1
- ** Alternate GSM Antenna tested, worst-case results reported.

PCTEST™ SAR REPORT		FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 26 of 34



SAR DATA SUMMARY

Mixture Type: 2450MHz Muscle

Model: MC9094-SKCHJAHA6WW

15.3	ME	ASUREM	ENT R	ESUL	TS (802	2.11k	o, Body	SAR -	w/ H	olster)		
FREQU	ENCY	Modulation	Begin / End Average POWER [‡]		Test Position	Data Rate	ate 850/1900	Memory Card	BT (MHz)	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(dE	(dBm)		Mbps	(MHz)				(cm)	(,
2437	06	DSSS	19.42	19.41	Front	5.5	-	-	-	Diversity	2.5 cm	0.031
2437	06	DSSS	19.43	19.42	Back	5.5	-	-	-	Diversity	2.5 cm	0.007
2437	06	DSSS	19.39	19.40	Front	5.5	-	-	-	Main	2.5 cm	0.055
2437	06	DSSS	19.42	19.42	Front	5.5	-	-	-	Aux	2.5 cm	0.059
2437	06	DSSS	19.41	19.40	Front	1	-	-	-	Aux	2.5 cm	0.047
2437	06	DSSS	19.39	19.39	Front	2	-	-	-	Aux	2.5 cm	0.048
2437	06	DSSS	19.43	19.43	Front	11	-	-	-	Aux	2.5 cm	0.062
2437	06	DSSS	19.41	19.39	Front	11	-	SD	2441	Aux	2.5 cm	0.068
2437	06	DSSS	19.40	19.41	Front	11	836.6	SD	2441	Aux	2.5 cm	0.063
2437	06	DSSS	19.42	19.42	Front	11	1880.0	SD	2441	Aux	2.5 cm	0.065
ANSI /	NSI / IEEE C95.1 1992 - SAFETY LIMIT							Mı	ıscle			
	Spatial Peak				1.6 W/kg (mW/g)							
Ur	Uncontrolled Exposure/General Population							averaged	over 1 gra	m		

NOTES:

- The test data reported are the worst-case SAR value with the antenna position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

*Power Measured Conducted ERP EIRP 4. SAR Measurement System X DASY4 IDX Right Head Phantom Configuration Left Head X Flat Phantom 5. SAR Configuration Head X Body Hand X Test Signal Call Mode Software Base Station Simulator 6.

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT		FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 27 of 34



Mixture Type: 900MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.4	ME	ASUREM	ENT R	ESULT	S (802.	11g,	Body S	AR – w	/ Hol	ster)		
FREQU	ENCY	Modulation		n / End POWER‡	Test	Data Rate	GSM 850/1900	Memory	BT	Antenna	Separation Distance	SAR
MHz	Ch.		(d	Bm)	Position	Mbps	(MHz)	Card	(MHz)		(cm)	(W/kg)
2437	06	OFDM	19.34	19.33	Front	6	-	-	-	Aux	2.5 cm	0.049
2437	06	OFDM	19.33	19.32	Front	9	-	-	-	Aux	2.5 cm	0.052
2437	06	OFDM	1934	19.34	Front	12	-	-	-	Aux	2.5 cm	0.054
2437	06	OFDM	19.33	19.35	Front	18	-	-	-	Aux	2.5 cm	0.060
2437	06	OFDM	19.35	19.34	Front	24	-	-	-	Aux	2.5 cm	0.056
2437	06	OFDM	19.34	19.33	Front	36	-	-	-	Aux	2.5 cm	0.054
2437	06	OFDM	19.35	19.34	Front	48	-	-	-	Aux	2.5 cm	0.049
2437	06	OFDM	19.33	19.35	Front	54	-	-	-	Aux	2.5 cm	0.048
2437	06	OFDM	19.34	19.34	Front	18	-	SD	2441	Aux	2.5 cm	0.050
2437	06	OFDM	19.35	19.36	Front	18	836.6	SD	2441	Aux	2.5 cm	0.061
2437	06	OFDM	19.34	19.35	Front	18	1880.0	SD	2441	Aux	2.5 cm	0.063
ANSI	ANSI / IEEE C95.1 1992 - SAFETY LIMIT				Muscle							
	Spatial Peak				1.6 W/kg (mW/g) averaged over 1 gram							
Uncont	ncontrolled Exposure/General Population							averaged o	over I gran	n		

NOTES:

- . The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

*Power Measured Conducted ERP EIRP SAR Measurement System X DASY4 IDX Flat Phantom Phantom Configuration Left Head X Right Head X 5. SAR Configuration Head Body Hand X 6. Test Signal Call Mode Software Base Station Simulator

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT		FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
SAR Filename: 0508160575-R1	Test Dates: July 18-19 * Aug. 3-10, 2005	Add. Test Dates: Nov. 14-15, 2005	EUT Type: Handheld Terminal	FCC ID: H9PMC9094	Page 28 of 34



SAR DATA SUMMARY

Mixture Type: 2450MHz Muscle

P/N: MC9094-SKCHJAHA6WW

MEASUREMENT RESULTS (802.11a/ 5.2GHz, Body SAR – w/ Holster) 15.5 Begin / End Test **GSM** Data Separation **FREQUENCY Average** SAR BT Mem. Modulation Position | 850/1900 Distance Rate Antenna **POWER**[‡] (MHz) Card (W/kg) (MHz) (Mbps) (cm) (dBm) MHz Ch. 18.96 5260 52 **OFDM** 18.98 Front 24 Diversity 2.5 cm 0.089 5260 52 **OFDM** 18.98 18.97 Back 24 Diversity 2.5 cm 0.006 5260 52 **OFDM** 18.97 18.97 Front 24 Main 2.5 cm 0.093 24 **OFDM** 18.97 18.98 0.109 5260 52 Front Aux 2.5 cm 0.097 5260 52 **OFDM** 18.98 18.98 Front 6 Aux 2.5 cm 5260 52 **OFDM** 18.97 18.97 Front 9 Aux 2.5 cm 0.103 **OFDM** 18.96 0.112 5260 52 18.96 Front 12 Aux 2.5 cm 5260 52 **OFDM** 18.96 18.97 Front 18 Aux 2.5 cm 0.128 **OFDM** 18.98 18.97 0.122 5260 52 36 2.5 cm Front Aux 52 **OFDM** 18.97 18.98 2.5 cm 5260 Front 48 _ Aux 0.108 5260 52 **OFDM** 18.97 18.98 Front 54 Aux 2.5 cm 0.101 5260 **OFDM** 18.96 18.96 SD 2.5 cm 0.129 52 Front 18 2441 Aux -5260 52 **OFDM** 18.97 18.98 836.6 18 SD 2441 0.134 Front Aux 2.5 cm **OFDM** 1880.0 18 SD 2441 5260 18.97 18.97 Front Aux 2.5 cm 0.139 ANSI / IEEE C95.1 1992 - SAFETY LIMIT 18Muscle

NOTES:

5.

The test data reported are the worst-case SAR value with the antenna position set in a 1. typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].

All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported. 2.

DASY4

Battery is fully charged for all readings. Standard Batteries are the only options.

*Power Measured Conducted X SAR Measurement System Phantom Configuration

Spatial Peak

Uncontrolled Exposure/General Population

□ ERP EIRP □ IDX

☐ Base Station Simulator

1.6 W/kg (mW/g)

averaged over 1 gram

Left Head Head **⊠** Body

Right Head Hand

6. Test Signal Call Mode Software

7. Tissue parameters and temperatures are listed on the SAR plots.

8. Liquid tissue depth is 15.1 cm. \pm 0.1

> Alfred Cirwithian Vice President Engineering

SAR Configuration

PCTEST™ SAR REPORT	Complete Wiveless Labrer of the Market State o	FCC CERTIFIC	CATION Sy	mbel	Reviewed by: Quality Manager
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Mixture Type: 5800MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.6	ME	ASUREM	ENT	RESU	J LTS (8	802.11a	/ 5.80	GHz,	Body	SAR -	- w/ Ho	ster)
FREQU	ENCY	Modulation	Ave	n / End erage WER‡	Test Position	GSM 850/1900	Data Rate	Mem. Card	BT (MHz)	Antenna	Separation Distance	SAR (W/kg)
MHz	Ch.		(d	Bm)		(MHz)	(Mbps)	(**************************************			(cm)	\
5805	161	OFDM	18.48	18.47	Front		18	1	-	Aux	2.5 cm	0.118
5805	161	OFDM	18.47	18.46	Front	-	18	-	-	Aux	2.5 cm	0.129
5805	161	OFDM	18.49	18.48	Front	-	18	-	-	Aux	2.5 cm	0.133
5805	161	OFDM	18.48	18.48	Front	-	18	SD	2441	Aux	2.5 cm	0.138
5805	161	OFDM	18.47	18.47	Front	836.6	18	SD	2441	Aux	2.5 cm	0.142
5805	161	OFDM	18.48	18.48	Front	1880.0	18	SD	2441	Aux	2.5 cm	0.147
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							.6 W/k	iscle g (mW) over 1 gran				

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

	*Power Measured	X	Conducted		ERP	EIRP
! .	SAR Measurement System	\boxtimes	DASY4		IDX	
	Phantom Configuration		Left Head	X	Flat Phantom	Right Head
5.	SAR Configuration		Head	X	Body	Hand
·).	Test Signal Call Mode	X	Software		Base Station Simulator	

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

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Mixture Type: 5300MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.7	15.7 MEASUREMENT RESULTS (Bluetooth, Body SAR – w/ Holster)													
FREQUENCY Modul		Modulation	Begin / End Average POWER‡		Test	GSM 850/1900	Data Rate	Mem. Card	Antenna	Separation Distance	SAR			
MHz	Ch.		(dI	3m)	Position	(MHz)	(Mbps)			(cm)	(W/kg)			
2441	39	FHSS	-0.17	-0.18	Front		-		Fixed	2.5 cm	0.003			
2441	39	FHSS	-0.16	-0.17	Front		SD	-	Fixed	2.5 cm	0.003			
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							Muscle .6 W/kg (mW averaged over 1 gra							

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- 2. All modes of operation were investigated including all data rates (Mbps), and worst-case results are reported.
- 3. Battery is fully charged for all readings. Standard Batteries are the only options.

	*Power Measured	X	Conducted		ERP	EIRP
4.	SAR Measurement System	\times	DASY4		IDX	
	Phantom Configuration		Left Head	X	Flat Phantom	Right Head
5.	SAR Configuration		Head	X	Body	Hand
6.	Test Signal Call Mode	X	Software		Base Station Simulator	

- 7. Tissue parameters and temperatures are listed on the SAR plots.
- 8. Liquid tissue depth is 15.1 cm. \pm 0.1

PCTEST™ SAR REPORT	PCTEST' Complete Wireless Lab"		Reviewed by: Quality Manager		
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16. SAR TEST EQUIPMENT

Equipment Calibration

Table 15.1 Test Equipment Calibration

EQUIPMENT SPECIFICATIONS						
Туре	Calibration Date	Serial Number				
Stäubli Robot RX60L	October 2006	599131-01				
Stäubli Robot Controller	October 2006	PCT592				
Stäubli Teach Pendant (Joystick)	October 2006	3323-00161				
Micron Computer, 450 MHz Pentium III, Windows NT	October 2006	PCT577				
SPEAG EDC3	October 2006	321				
SPEAG DAE3	January 2006	455				
SPEAG E-Field Probe ES3DV2	September 2005	3022				
SPEAG Dummy Probe	October 2006	PCT583				
SPEAG SAM Twin Phantom V4.0	October 2006	PCT666				
SPEAG Light Alignment Sensor	October 2006	205				
PCTEST Validation Dipole D300V2	September 2006	PCT301				
SPEAG Validation Dipole D835V2	January 2005	PCT512				
SPEAG Validation Dipole D1900V2	January 2005	PCT613				
Brain Equivalent Matter (300MHz)	May/ July/ November 2005	PCTBEM601				
Brain Equivalent Matter (835MHz)	May/ July/ November 2005	PCTBEM101				
Brain Equivalent Matter (1900MHz)	May/ July/ November 2005	PCTBEM301				
Muscle Equivalent Matter (300MHz)	May/ July/ November 2005	PCTMEM701				
Muscle Equivalent Matter (835MHz)	May/ July/ November 2005	PCTMEM201				
Muscle Equivalent Matter (1900MHz)	May/ July/ November 2005	PCTMEM401				
Microwave Amp. Model: 5S1G4, (800MHz - 4.2GHz)	January 2005	22332				
Gigatronics 8651A Power Meter	January 2005	1835299				
HP-8648D (9kHz ~ 4GHz) Signal Generator	January 2005	PCT530				
Amplifier Research 5S1G4 Power Amp	January 2005	PCT540				
HP-8753E (30kHz ~ 3GHz) Network Analyzer	January 2005	PCT552				
HP85070B Dielectric Probe Kit	January 2005	PCT501				
Ambient Noise/Reflection, etc. Anechoic Room	January 2005	PCT01				

NOTE:

The E-field probe was calibrated by SPEAG, by waveguide technique procedure. Dipole Validation measurement is performed by PCTEST Lab. before each test. The brain simulating material is calibrated by PCTEST using the dielectric probe system and network analyzer to determine the conductivity and permittivity (dielectric constant) of the brain-equivalent material.

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17. CONCLUSION

Measurement Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the FCC. These measurements are taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The tested device complies with the requirements in respect to all parameters subject to the test. The test results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because innumerable factors may interact to determine the specific biological outcome of an exposure to electromagnetic fields, any protection guide shall consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.[3]

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