14. SAR DATA SUMMARY

Mixture Type: 835MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.1 MEASUREMENT RESULTS (GSM 850MHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	WLAN 802.11abg MHz	Data Rate (Mbps)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
836.6	190	GSM	33.00	33.00	Front	-	-	-	-	Fixed	2.5 cm	0.016
836.6	190	GSM	33.00	33.00	Back	-	-	-	-	Fixed	2.5 cm	0.172
836.6	190	GSM	33.00	33.00	Back	-	-	SD	2441	Fixed	2.5 cm	0.198
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
836.6	190	GSM	33.00	33.00	Back	5260	18	SD	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 LIMIT	Muscle
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population	averaged over 1 gram

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 bit rates, 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	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1
9. ** Alternate GSM Antenna tested, worst-case results reported.

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 1900MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.2 MEASUREMENT RESULTS (GSM 1900MHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	WLAN 802.11abg (MHz)	Data Rate (Mbps)	Mem. Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
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 / IEEE C95.1 1992 - SAFETY LIMIT **Spatial Peak** **Uncontrolled Exposure/General Population**						**Muscle** **1.6 W/kg (mW/g)** averaged over 1 gram						

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 bit rates, 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	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1
9. ** Alternate GSM Antenna tested, worst-case results reported.

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.3 MEASUREMENT RESULTS (802.11b, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	Data Rate (Mbps)	BT (MHz)	Memory Card	GSM 850/1900 (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
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	Muscle
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population	averaged over 1 gram

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, 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	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.4 MEASUREMENT RESULTS (IEEE 802.11g, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	GSM 850/1900 (MHz)	Data Rate (Mbps)	Mem. Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
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	-	-	Aux	2.5 cm	0.044
2437	06	OFDM	19.34	19.33	Front	-	36	-	-	Aux	2.5 cm	0.039
2437	06	OFDM	19.35	19.34	Front	-	48	-	-	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 / IEEE C95.1 1992 - SAFETY LIMIT	Muscle
Spatial Peak Uncontrolled Exposure/General Population	1.6 W/kg (mW/g) averaged over 1 gram

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 bit rates, 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	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat	☐	Right Head
5.	SAR Configuration	☐	Head	☒	Body	☐	Hand
6.	Test Signal Call Mode	☒	Software	❑	Base Station		

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

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 5300MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.5 MEASUREMENT RESULTS (IEEE 802.11a/ 5.2 GHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	GSM 850/1900 (MHz)	Data Rate (Mbps)	Mem. Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
5260	52	OFDM	18.96	18.98	Front	-	24	-	-	Diversity	2.5 cm	0.084
5260	52	OFDM	18.98	18.97	Back	-	24	-	-	Main	2.5 cm	0.007
5260	52	OFDM	18.97	18.97	Front	-	24	-	-	Aux	2.5 cm	0.096
5260	52	OFDM	18.97	18.98	Front	-	24	-	-	Aux	2.5 cm	0.104
5260	52	OFDM	18.98	18.98	Front	-	6	-	-	Aux	2.5 cm	0.092
5260	52	OFDM	18.97	18.97	Front	-	9	-	-	Aux	2.5 cm	0.107
5260	52	OFDM	18.96	18.96	Front	-	12	-	-	Aux	2.5 cm	0.118
5260	52	OFDM	18.96	18.97	Front	-	18	-	-	Aux	2.5 cm	0.134
5260	52	OFDM	18.98	18.97	Front	-	36	-	-	Aux	2.5 cm	0.127
5260	52	OFDM	18.97	18.98	Front	-	48	-	-	Aux	2.5 cm	0.105
5260	52	OFDM	18.97	18.98	Front	-	54	-	-	Aux	2.5 cm	0.098
5260	52	OFDM	18.96	18.96	Front	-	18	SD	2441	Aux	2.5 cm	0.132
5260	52	OFDM	18.97	18.98	Front	836.6	18	SD	2441	Aux	2.5 cm	**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
Spatial Peak Uncontrolled Exposure/General Population	1.6 W/kg (mW/g) averaged over 1 gram

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY

Mixture Type: 5800MHz Muscle

Model: MC9094-KKCHJEHA6WW

14.6 MEASUREMENT RESULTS (802.11a/ 5.8 GHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	Data Rate Mbps	GSM 850/1900 (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
5805	161	OFDM	18.48	18.47	Front	18	-	-	-	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	-	-	-	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	Muscle
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population	averaged over 1 gram

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.

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 2450MHz Muscle

P/N: MC9094-KKCHJEHA6WW

14.7 MEASUREMENT RESULTS (Bluetooth, Body SAR – w/ Holster)

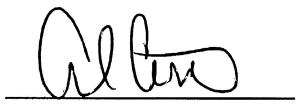
FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	Data Rate Mbps	GSM 850/1900 (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
2441	39	FHSS	-0.16	-0.18	Front	-	-	-	-	Fixed	2.5 cm	**0.003**
2441	39	FHSS	-0.15	-0.17	Front	-	-	SD	-	Fixed	2.5 cm	0.002
ANSI / IEEE C95.1 1992 - SAFETY LIMIT **Spatial Peak** **Uncontrolled Exposure/General Population**					**Muscle** **1.6 W/kg (mW/g)** averaged over 1 gram							

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1



Alfred Cirwithian
Vice President Engineering

15. SAR DATA SUMMARY

Mixture Type: 835MHz Muscle

Model: MC9094-SKCHJAHA6WW

15.1 MEASUREMENT RESULTS (GSM 850MHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	WLAN 802.11 a/b/g (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)								
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 / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**Muscle 1.6 W/kg (mW/g) averaged over 1 gram**						

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.

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1
9. ** Alternate GSM Antenna tested, worst-case results reported.

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 1900MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.2 MEASUREMENT RESULTS (GSM 1900MHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	WLAN 802.11 a/b/g (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)								
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 / IEEE C95.1 1992 - SAFETY LIMIT **Spatial Peak** **Uncontrolled Exposure/General Population**					**Muscle** **1.6 W/kg (mW/g)** averaged over 1 gram						

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1
9. ** Alternate GSM Antenna tested, worst-case results reported.

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY

Mixture Type: 2450MHz Muscle

Model: MC9094-SKCHJAHA6WW

15.3 MEASUREMENT RESULTS (802.11b, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	Data Rate Mbps	GSM 850/1900 (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
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 / IEEE C95.1 1992 - SAFETY LIMIT	Muscle
Spatial Peak Uncontrolled Exposure/General Population	1.6 W/kg (mW/g) averaged over 1 gram

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.

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 900MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.4 MEASUREMENT RESULTS (802.11g, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡ (dBm)		Test Position	Data Rate Mbps	GSM 850/1900 (MHz)	Memory Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.											
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 / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**Muscle 1.6 W/kg (mW/g) averaged over 1 gram**							

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY

Mixture Type: 2450MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.5 MEASUREMENT RESULTS (802.11a/ 5.2GHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	GSM 850/1900 (MHz)	Data Rate (Mbps)	Mem. Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
5260	52	OFDM	18.96	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
5260	52	OFDM	18.97	18.98	Front	-	24	-	-	Aux	2.5 cm	0.109
5260	52	OFDM	18.98	18.98	Front	-	6	-	-	Aux	2.5 cm	0.097
5260	52	OFDM	18.97	18.97	Front	-	9	-	-	Aux	2.5 cm	0.103
5260	52	OFDM	18.96	18.96	Front	-	12	-	-	Aux	2.5 cm	0.112
5260	52	OFDM	18.96	18.97	Front	-	18	-	-	Aux	2.5 cm	0.128
5260	52	OFDM	18.98	18.97	Front	-	36	-	-	Aux	2.5 cm	0.122
5260	52	OFDM	18.97	18.98	Front	-	48	-	-	Aux	2.5 cm	0.108
5260	52	OFDM	18.97	18.98	Front	-	54	-	-	Aux	2.5 cm	0.101
5260	52	OFDM	18.96	18.96	Front	-	18	SD	2441	Aux	2.5 cm	0.129
5260	52	OFDM	18.97	18.98	Front	836.6	18	SD	2441	Aux	2.5 cm	0.134
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 Spatial Peak Uncontrolled Exposure/General Population	18Muscle 1.6 W/kg (mW/g) averaged over 1 gram

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.

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 5800MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.6 MEASUREMENT RESULTS (802.11a/ 5.8GHz, Body SAR – w/ Holster)

FREQUENCY		Modulation	Begin / End Average POWER‡		Test Position	GSM 850/1900 (MHz)	Data Rate (Mbps)	Mem. Card	BT (MHz)	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.		(dBm)									
5805	161	OFDM	18.48	18.47	Front	-	18	-	-	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	Muscle
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population	averaged over 1 gram

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1

Alfred Cirwithian
Vice President Engineering

SAR DATA SUMMARY (Continued)

Mixture Type: 5300MHz Muscle

P/N: MC9094-SKCHJAHA6WW

15.7 MEASUREMENT RESULTS (Bluetooth, Body SAR – w/ Holster)

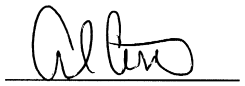
FREQUENCY		Modulation	Begin / End Average POWER‡ (dBm)		Test Position	GSM 850/1900 (MHz)	Data Rate (Mbps)	Mem. Card	Antenna	Separation Distance (cm)	SAR (W/kg)
MHz	Ch.										
2441	39	FHSS	-0.17	-0.18	Front		-		Fixed	2.5 cm	**0.003**
2441	39	FHSS	-0.16	-0.17	Front		SD	-	Fixed	2.5 cm	0.003
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**Muscle 1.6 W/kg (mW/g) **averaged over 1 gram						

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	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY4	☐	IDX		
	Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head
5.	SAR Configuration	☐	Head	☒	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. ± 0.1



Alfred Cirwithian
Vice President Engineering

16. SAR TEST EQUIPMENT

Equipment Calibration

Table 15.1 Test Equipment Calibration

EQUIPMENT SPECIFICATIONS			
Type		**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.

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]

18. REFERENCES

[1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, Aug. 1996.

[2] ANSI/IEEE C95.1 - 1991, *American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300kHz to 100GHz*, New York: IEEE, Aug. 1992.

[3] ANSI/IEEE C95.3 - 1991, *IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave*, New York: IEEE, 1992.

[4] Federal Communications Commission, OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields*, July 2001.

[5] IEEE Standards Coordinating Committee 34 – IEEE Std. 1528-2003, *Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices.*

[6] NCRP, National Council on Radiation Protection and Measurements, *Biological Effects and Exposure Criteria for RadioFrequency Electromagnetic Fields*, NCRP Report No. 86, 1986. Reprinted Feb. 1995.

[7] T. Schmid, O. Egger, N. Kuster, *Automated E-field scanning system for dosimetric assessments*, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.

[8] K. Pokovic, T. Schmid, N. Kuster, *Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies*, ICECOM97, Oct. 1997, pp. 120-124.

[9]K. Poković, T. Schmid, and N. Kuster, *E-field Probe with improved isotropy in brain simulating liquids*, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.

[10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.

[11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, *The Dependence of EM Energy Absorption upon Human Head Modeling at 900 MHz*, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.

[12] N. Kuster and Q. Balzano, *Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz*, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.

[13] G. Hartsgrove, A. Kraszewski, A. Surowiec, *Simulated Biological Materials for Electromagnetic Radiation Absorption Studies*, University of Ottawa, Bioelectromagnetics, Canada: 1987, pp. 29-36.

[14] Q. Balzano, O. Garay, T. Manning Jr., *Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones*, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.

[15] W. Gander, *Computermathematick*, Birkhaeuser, Basel, 1992.

[16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, *Numerical Recepies in C*, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.

[17] Federal Communications Commission, OET Bulletin 65, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields. Supplement C, Dec. 1997.

[18] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.

[19] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10kHz-300GHz, Jan. 1995.

[20] Prof. Dr. Niels Kuster, ETH, Eidgenössische Technische Hoschschule Zürich, Dosimetric Evaluation of the Cellular Phone.