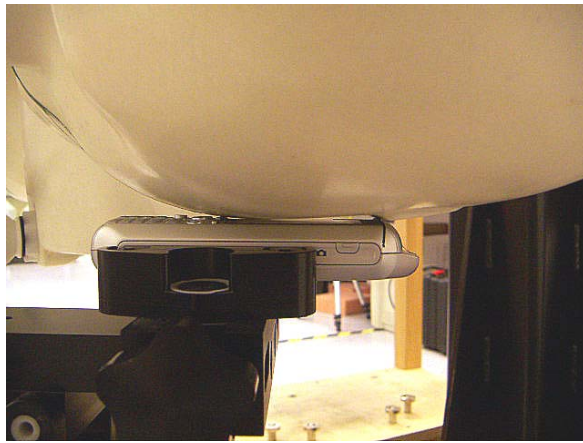


**14 SAR MEASUREMENT RESULT (GSM835)****14.1 Left Hand Side**

Touch Position



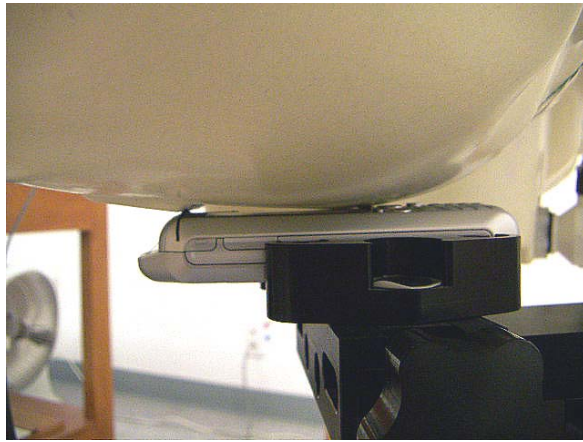
Tilt (15°) Position

**GSM850 (duty cycle:12.5%)**

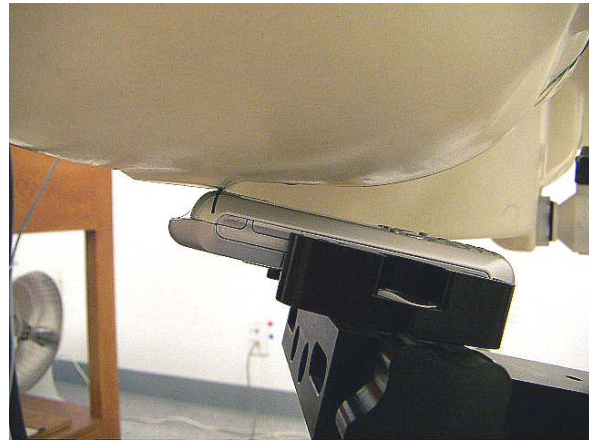
Test Position	Channel	f (MHz)	Measured	Power Drift	Extrapolated	Limit (mW/g)
			1g (mW/g)	(dBm)	1g (mW/g)	
Touch	128	824.2				
Touch	190	836.6	0.483	-0.052	0.489	1.6
Touch	251	848.8				
Tilt	128	824.2				
Tilt	190	836.6	0.233	-0.036	0.235	1.6
Tilt	251	848.8				

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachment for the detailed measurement data and plots.

**14.2 Right Hand Side**

Touch Position



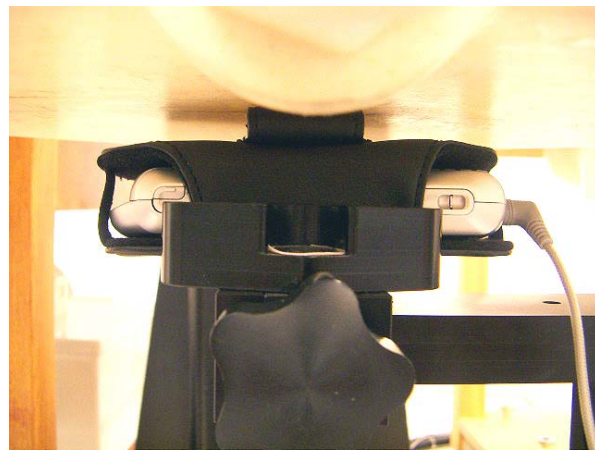
Tilt (15°) Position

**GSM850 (duty cycle: 12.5%)**

Test Position	Channel	f (MHz)	Measured	Power Drift	Extrapolated	Limit (mW/g)
			1g (mW/g)	(dBm)	1g (mW/g)	
Touch	128	824.2	0.590	-0.010	0.591	1.6
Touch	128 <sup>1)</sup>	824.2	0.520	-0.026	0.523	1.6
Touch	190	836.6	0.500	-0.062	0.507	1.6
Touch	251	848.8	0.457	-0.017	0.459	1.6
Tilt	128	824.2				
Tilt	190	836.6	0.251	-0.113	0.258	1.6
Tilt	251	848.8				

## Notes:

- 1) Co-located SAR measurement result with the GSM and WiFi 802.11b radio. (Transmitting simultaneously)
- 2) The exact method of extrapolation is  $\text{measured SAR} \times 10^{\wedge} (-\text{drift}/10)$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 3) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.

**14.3 Body Worn Front Side****GSM850 GSM only (duty cycle: 12.5%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2				
18_w/Holster	190	836.6	0.137	-0.029	0.138	1.6
18_w/Holster	251	848.8				

**GSM850 GSM+GPRS (duty cycle: 25%)**

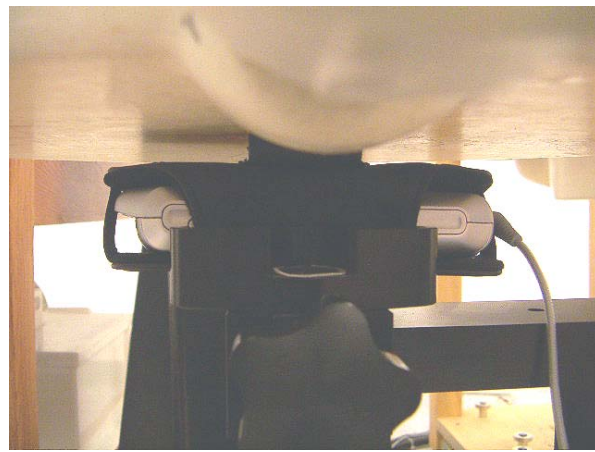
Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2				
18_w/Holster	190	836.6	0.499	-0.135	0.515	1.6
18_w/Holster	251	848.8				

**GSM850 GSM+EGPRS (duty cycle: 25%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2				
18_w/Holster	190	836.6	0.150	-0.046	0.152	1.6
18_w/Holster	251	848.8				

**Notes:**

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.

**14.4 Body Worn Back Side****GSM850 GSM only (duty cycle: 12.5%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2	0.508	-0.070	0.516	1.6
18_w/Holster	190	836.6	0.496	-0.040	0.501	1.6
18_w/Holster	251	848.8	0.514	-0.043	0.519	1.6

**GSM850 GSM+GPRS (duty cycle: 25%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2	0.938	-0.042	0.947	1.6
18_w/Holster	190	836.6	0.915	-0.108	0.938	1.6
18_w/Holster	251	848.8	0.941	-0.062	0.955	1.6
18_w/Holster	251 <sup>1)</sup>	848.8	0.930	-0.105	0.953	1.6

**GSM850 GSM+EGPRS (duty cycle: 25%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	128	824.2	0.272	-0.019	0.273	1.6
18_w/Holster	190	836.6	0.269	-0.001	0.269	1.6

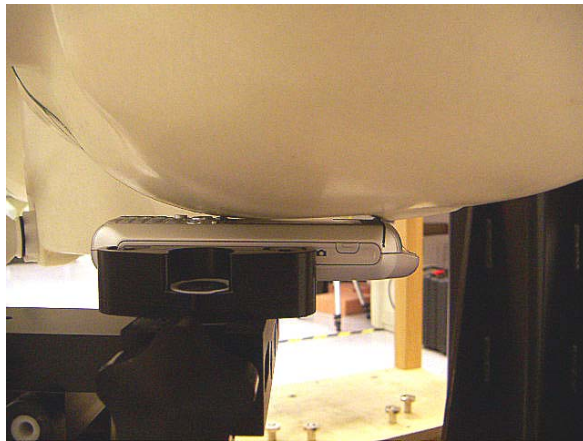
**Notes:**

- 1) Co-located SAR measurement result with the GPRS and WiFi 802.11b radio. (Transmitting simultaneously)
- 2) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 3) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 4) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 5) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 6) Please see attachment for the detailed measurement data and plots.



## 15 SAR MEASUREMENT RESULT (GSM1900)

### 15.1 Left Hand Side



Touch Position



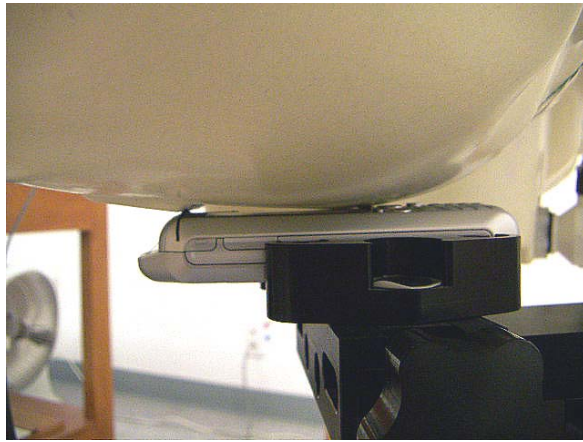
Tilt (15°) Position

#### GSM1900 (duty cycle:12.5%)

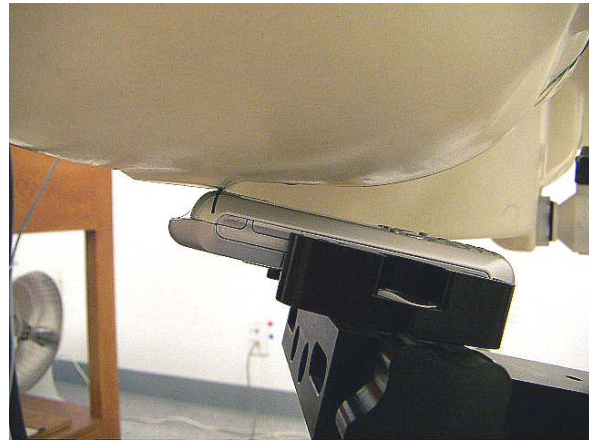
Test Position	Channel	f (MHz)	Measured	Power Drift	Extrapolated	Limit (mW/g)
			1g (mW/g)	(dBm)	1g (mW/g)	
Touch	512	1850.20				
Touch	661	1880.00	0.491	-0.076	0.500	1.6
Touch	810	1909.80				
Tilt	512	1850.20				
Tilt	661	1880.00	0.637	-0.079	0.649	1.6
Tilt	810	1909.80				

#### Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachment for the detailed measurement data and plots.

**15.2 Right Hand Side**

Touch Position



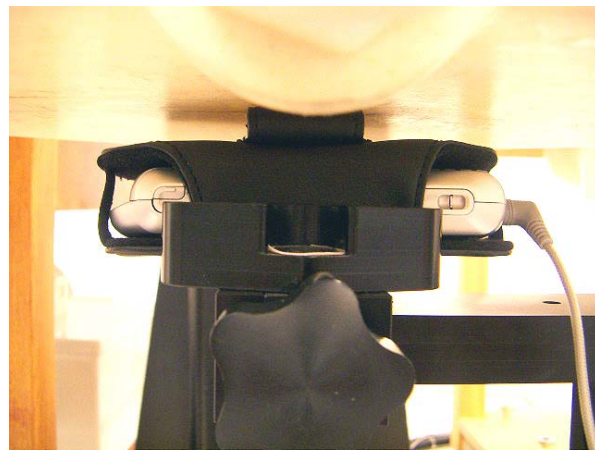
Tilt (15°) Position

**GSM1900 (duty cycle:12.5%)**

Test Position	Channel	f (MHz)	Measured	Power Drift	Extrapolated	Limit (mW/g)
			1g (mW/g)	(dBm)	1g (mW/g)	
Touch	512	1850.20				
Touch	661	1880.00	0.619	-0.024	0.622	1.6
Touch	810	1909.80				
Tilt	512	1850.20	0.798	-0.020	0.802	1.6
Tilt	661	1880.00	0.786	-0.030	0.791	1.6
Tilt	810	1909.80	0.826	-0.016	0.829	1.6
Tilt	810 <sup>1)</sup>	1909.80	0.791	-0.020	0.795	1.6

**Notes:**

- 1) Co-located SAR measurement result with the GSM and WiFi 802.11b radio. (Transmitting simultaneously)
- 2) The exact method of extrapolation is  $measured\ SAR \times 10^{(-drift/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 3) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.

**15.3 Body Worn Front Side****GSM1900 GSM only (duty cycle: 12.5%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20				
18_w/Holster	661	1880.00	0.170	-0.180	0.177	1.6
18_w/Holster	810	1909.80				

**GSM1900 GSM+GPRS (duty cycle: 25%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20				
18_w/Holster	661	1880.00	0.292	-0.071	0.297	1.6
18_w/Holster	810	1909.80				

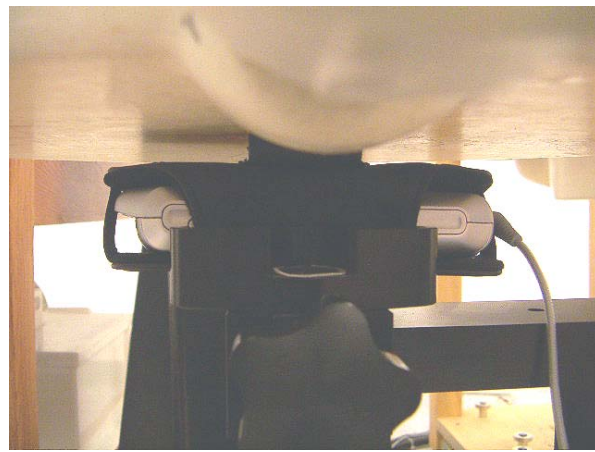
**GSM1900 GSM+EGPRS (duty cycle: 25%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20				
18_w/Holster	661	1880.00	0.127	-0.123	0.131	1.6
18_w/Holster	810	1909.80				

**Notes:**

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.

#### 15.4 Body Worn Back Side



##### GSM1900 GSM only (duty cycle: 12.5%)

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20	0.497	-0.003	0.497	1.6
18_w/Holster	661	1880.00	0.479	-0.078	0.488	1.6
18_w/Holster	810	1909.80	0.468	-0.110	0.480	1.6

##### GSM1900 GSM+GPRS (duty cycle: 25%)

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20	0.968	-0.044	0.978	1.6
18_w/Holster	661	1880.00	0.922	-0.067	0.936	1.6
18_w/Holster	810	1909.80	0.871	-0.083	0.888	1.6
18_w/Holster	810 <sup>1)</sup>	1909.80	0.775	-0.188	0.809	1.6

##### GSM1900 GSM+EGPRS (duty cycle: 25%)

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	512	1850.20	0.438	-0.056	0.444	1.6
18_w/Holster	661	1880.00	0.413	-0.071	0.420	1.6

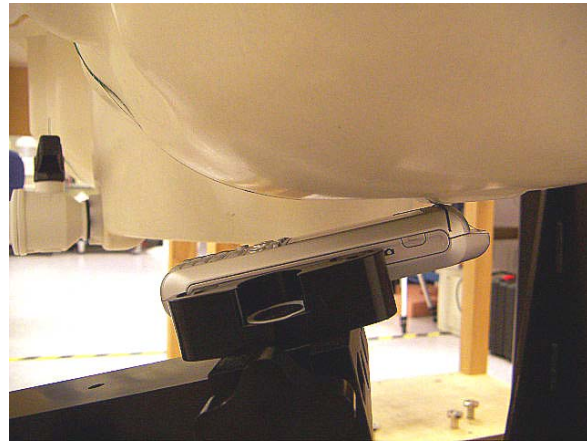
##### Notes:

- 1) Co-located SAR measurement result with the GPRS and WiFi 802.11b radio. (Transmitting simultaneously)
- 2) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 3) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 4) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 5) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 6) Please see attachment for the detailed measurement data and plots.



**16 SAR MEASUREMENT RESULT (WIFI AND BLUETOOTH)****16.1 Left Hand Side**

Touch Position



Tilt (15°) Position

**802.11b (duty cycle: 100%)**

Test Position	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
Touch	1	2412	0.039	-0.054	0.039	1.6
Touch	6	2437				
Touch	11	2462				
Tilt	1	2412	0.037	-0.012	0.037	1.6
Tilt	6	2437				
Tilt	11	2462				

**Bluetooth**

Test Position	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
Touch	0	2402	0.00358	-0.142	0.00370	1.6
Tilt	0	2402	0.00338	-0.141	0.00349	1.6

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the low channel (highest conducted power) for this configuration is at least 3 dB lower than SAR limit, testing at middle & high channel is optional.
- 3) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachment for the detailed measurement data and plots.

## 16.2 Right Hand Side



Touch Position



Tilt (15°) Position

### 802.11b (duty cycle: 100%)

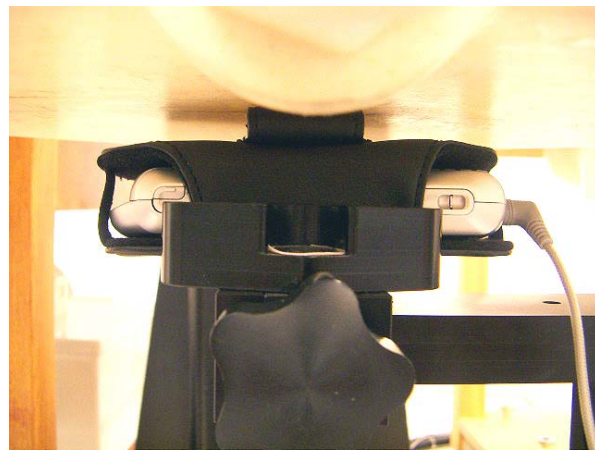
Test Position	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
Touch	1	2412	0.055	-0.195	0.058	1.6
Touch	6	2437				
Touch	11	2462				
Tilt	1	2412	0.054	-0.085	0.0551	1.6
Tilt	6	2437				
Tilt	11	2462				

### Bluetooth

Test Position	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
Touch	0	2402	0.00197	-0.078	0.00201	1.6
Tilt	0	2402	0.00178	-0.190	0.00186	1.6

#### Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachment for the detailed measurement data and plots.

**16.3 Body Worn Front side****802.11b (duty cycle: 100%)**

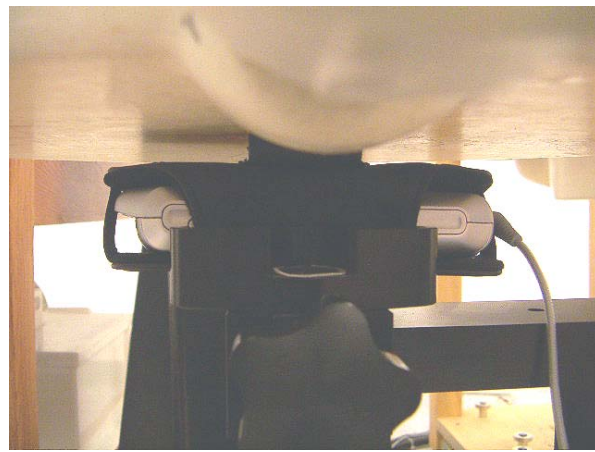
Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	1	2412				
18_w/Holster	6	2437	0.00372	-0.189	0.00389	1.6
18_w/Holster	11	2462				

**Bluetooth**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	0	2402				
18_w/Holster	39	2441	0.000	0.000	0.000	1.6
18_w/Holster	78	2480				

**Notes:**

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.

**16.4 Body Worn Back side****802.11b (duty cycle: 100%)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	1	2412	0.052	-0.164	0.054	
18_w/Holster	6	2437	0.028	-0.102	0.029	1.6
18_w/Holster	11	2462	0.026	-0.128	0.027	

**Bluetooth**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
18_w/Holster	0	2402				
18_w/Holster	39	2441	0.000	0.000	0.000	1.6
18_w/Holster	78	2480				

**Notes:**

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the middle channel for this configuration is at least 3 dB lower than SAR limit, testing at low & high channel is optional.
- 3) The earphone wire connected to the EUT to simulate hand-free operation in a body worn configuration.
- 4) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 5) Please see attachment for the detailed measurement data and plots.