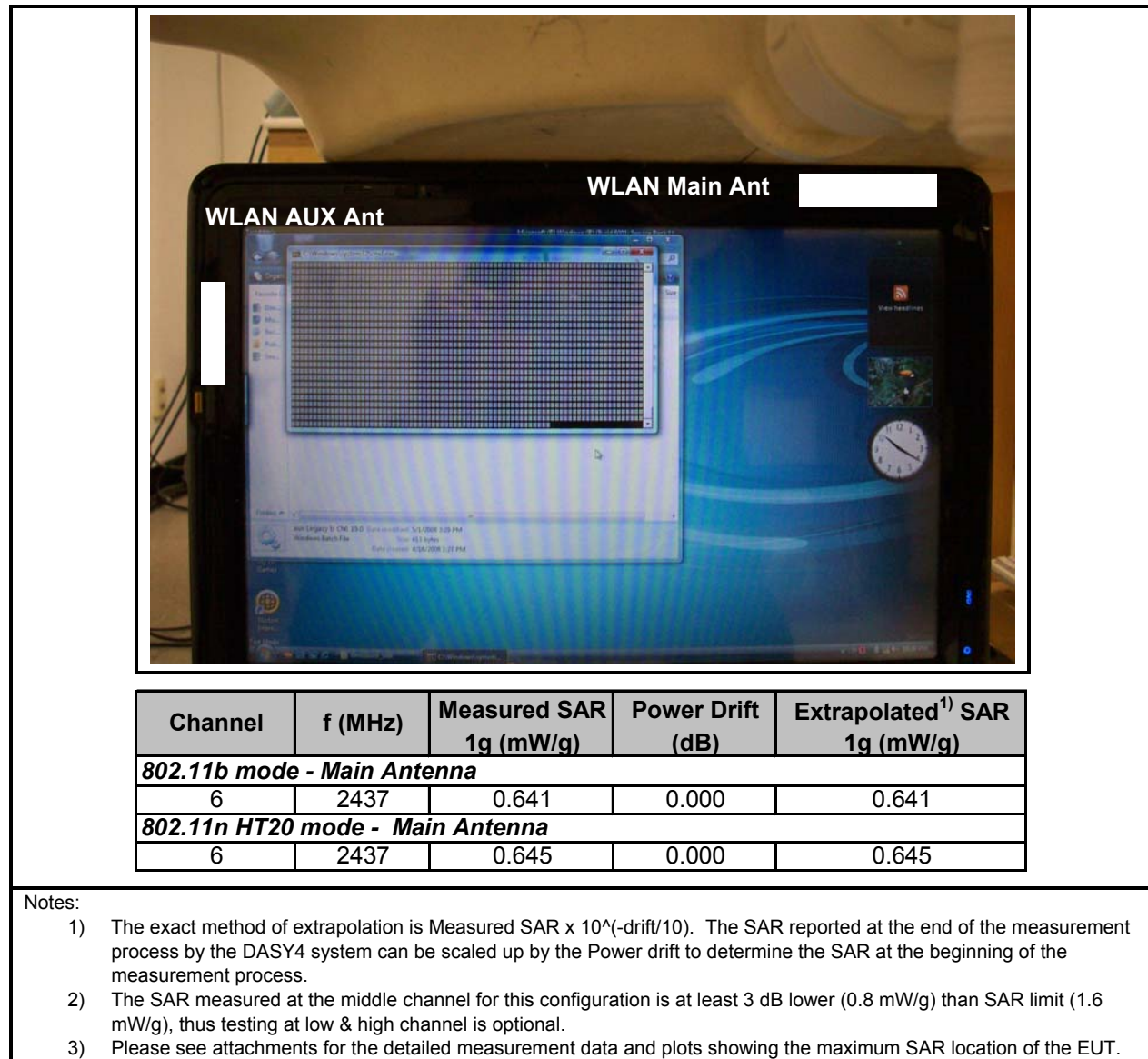


**8 SAR MEASUREMENT RESULTS****8.1 SECONDARY LANDSCAPE POSITION****8.1.1 2.4 GHz Band**

**8.1.2 5.2 GHz Band**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11a - Legacy mode - Main Antenna</b>				
40	5200	0.457	0.000	0.457
<b>802.11a - HT20 mode - Main Antenna</b>				
40	5200	0.161	-0.912	0.199

**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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.1.3 5.3 GHz Band****802.11a - Legacy mode - Main Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
52	5260	0.723	-0.223	0.761
60	5300	1.030	-0.977	1.290
64	5320	0.783	-0.202	0.820

**802.11a - HT20 mode - Main Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
52	5260			
60	5300	0.636	-0.420	0.701
64	5320			

**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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.1.4 5.5 GHZ Band****802.11a - Legacy mode - Main Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
100	5500	0.813	0.000	0.813
120	5600	1.390	-0.082	1.416
140	5700	1.040	0.000	1.040

**802.11n HT20 mode - Main Antenna**

100	5500	0.837	-0.154	0.867
<b>120</b>	<b>5600</b>	<b>1.400</b>	<b>0.000</b>	<b>1.400</b>
140	5700	1.040	0.000	1.040

## 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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.1.5 5.8 GHz Band**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11a - Legacy mode - Main Antenna</b>				
149	5745	1.040	0.000	1.040
157	5785	1.280	-0.225	1.348
165	5825	1.370	0.000	1.370
<b>802.11a - HT20 mode - Main Antenna</b>				
149	5745	1.060	0.000	1.060
157	5785	1.370	-0.323	1.476
<b>165</b>	<b>5825</b>	<b>1.520</b>	<b>0.000</b>	<b>1.520</b>

## 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 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.



**8.2 SECONDARY PORTRAIT****8.2.1 2.4 GHz Band**

**Note:** Only the Aux antenna was tested at this position due to the large distance between the phantom and main antenna.



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11b mode - AUX Antenna</b>				
1	2412	0.965	-0.084	0.984
<b>6</b>	<b>2437</b>	<b>1.380</b>	<b>0.000</b>	<b>1.380</b>
11	2442	1.120	-0.251	1.187
<b>802.11n HT20 mode - AUX Antenna</b>				
6 <sup>4</sup>	2437	0.873	0.000	0.873

**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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.
- 4) **802.11n HT20 mode L and H channels testing were skipped since the M channel output power is 5 dB higher than L and H channel output power.**

**8.2.2 5.2 GHz Band****802.11a - Legacy mode - AUX Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
36	5180	<b>0.777</b>	<b>0.000</b>	<b>0.777</b>
<b>40</b>	<b>5200</b>			
48	5240			

**802.11a - HT20 mode - AUX Antenna**

36	5180	0.271	-0.235	0.286
40	5200			
48	5240			

## 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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.2.3 5.3 GHz Band****802.11a - Legacy mode - AUX Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
52	5260	1.510	0.000	1.510
60	5300	1.490	0.000	1.490
64	5320	1.310	0.000	1.310

**802.11a - HT20 mode - Aux Antenna**

52	5260	1.470	0.000	1.470
60	5300	1.490	0.000	1.490
64	5320	1.280	0.000	1.280

## 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 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.



**8.2.4 5.5 GHz Band****802.11a - Legacy mode - Aux Antenna**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
100	5500	1.130	-0.138	1.166
120	5600	1.390	-0.061	1.410
140	5700	1.120	-0.251	1.187

**802.11a - HT20 mode - Aux Antenna**

100	5500	1.090	-0.145	1.127
120	5600	1.140	-0.226	1.201
140	5700	1.080	-0.183	1.126

## 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 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.2.5 5.8 GHz Band**

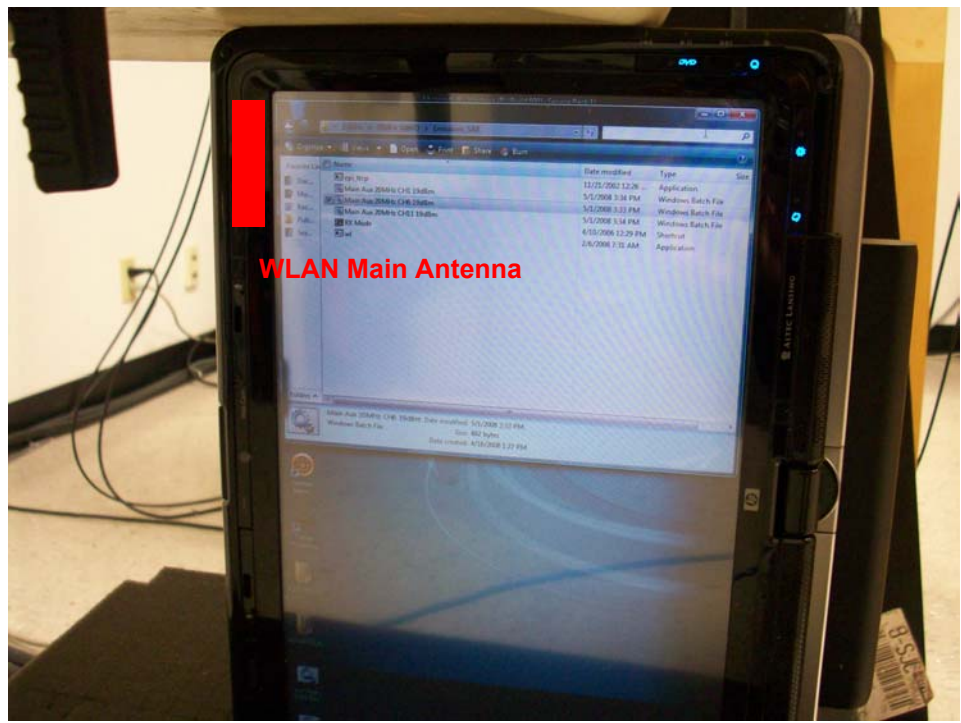
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11a - Legacy mode - AUX Antenna</b>				
149	5745	1.170	0.000	1.170
157	5785	1.480	0.000	1.480
165	5825	1.360	0.000	1.360
<b>802.11a - HT20 mode - Aux Antenna</b>				
149	5745	1.190	0.000	1.190
157	5785	1.390	0.000	1.390
165	5825	1.220	0.000	1.220

## 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 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.3 PRIMARY PORTRAIT****8.3.1 2.4 GHz Band**

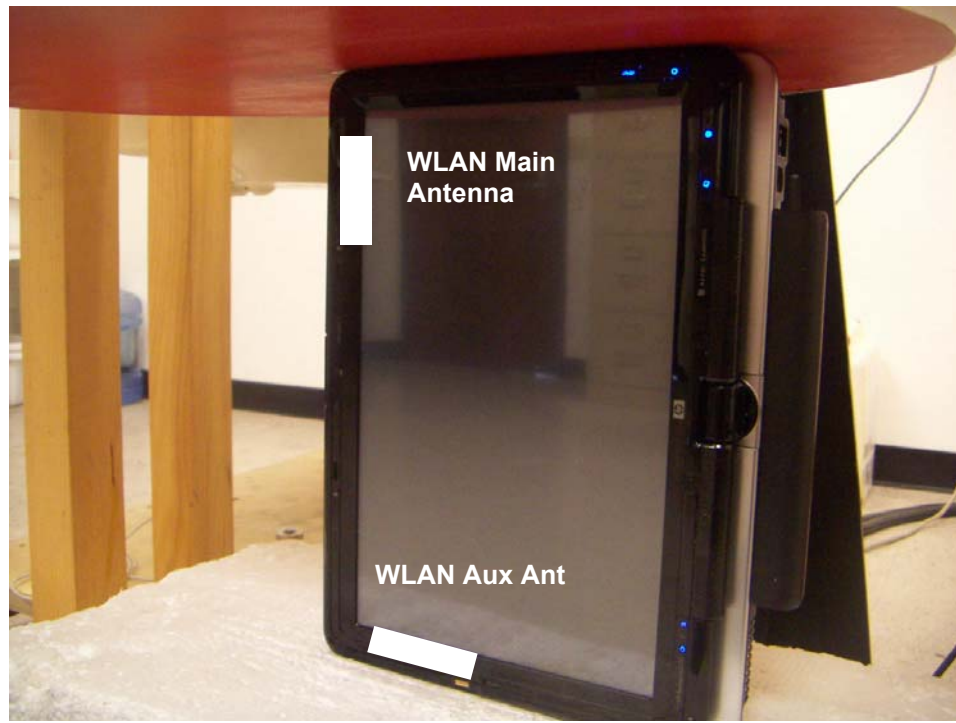
**Note:** Only the Main antenna was tested at this position due to the large distance between the phantom and Aux antenna.



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11n HT20 mode - Main Antenna</b>				
6	2437	0.057	-0.229	0.060

**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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.3.2 5 GHz Band**

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11a - Legacy mode - Main Antenna</b>				
40	5200	0.016	0.000	0.016
<b>802.11a - Legacy mode - Main Antenna</b>				
60	5300	0.064	-0.487	0.072
<b>802.11a - Legacy mode - Main Antenna</b>				
120	5600	0.061	0.000	0.061
<b>802.11a - Legacy mode - Main Antenna</b>				
157	5785	0.089	0.000	0.089

## 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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.4 LAPHELD****8.4.1 2.4 GHz Band**

**Note:** The Aux antenna was tested at this position based on the worst SAR values from the previous positions. The Main antenna testing was skipped due to low SAR values.



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11b mode - Aux Antenna</b>				
6	2437	0.016	-0.091	0.016

**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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.



**8.4.2 5 GHz Bands****WLAN Main Antenna**

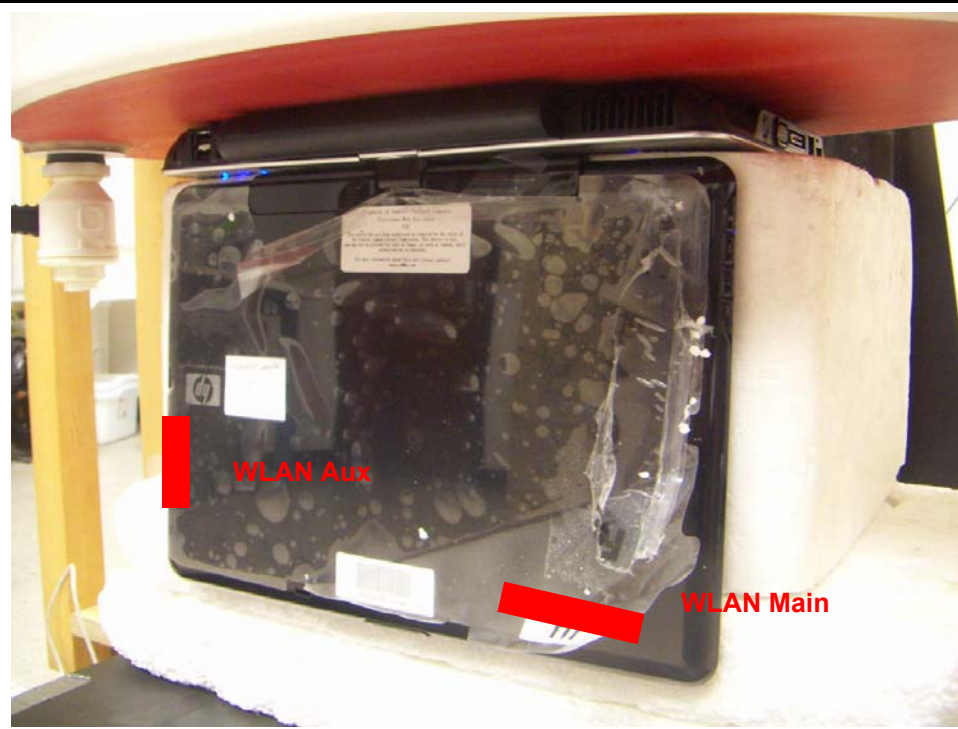
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated <sup>1)</sup> SAR 1g (mW/g)
<b>802.11a - Legacy mode - Main Antenna</b>				
40	5200	0.031	-0.047	0.031
<b>802.11a - Legacy mode - Main Antenna</b>				
60	5300	0.111	0.000	0.111
<b>802.11n HT20 mode</b>				
120	5600	0.066	0.000	0.066
<b>802.11n HT20 mode</b>				
157	5785	0.080	0.000	0.080

## 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 system can be scaled up by the Power 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 (0.8 mW/g) than SAR limit (1.6 mW/g), thus testing at low & high channel is optional.
- 3) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**8.5 PRIMARY LANDSCAPE**

This position was skipped due to larger distance between the antennas and the phantom

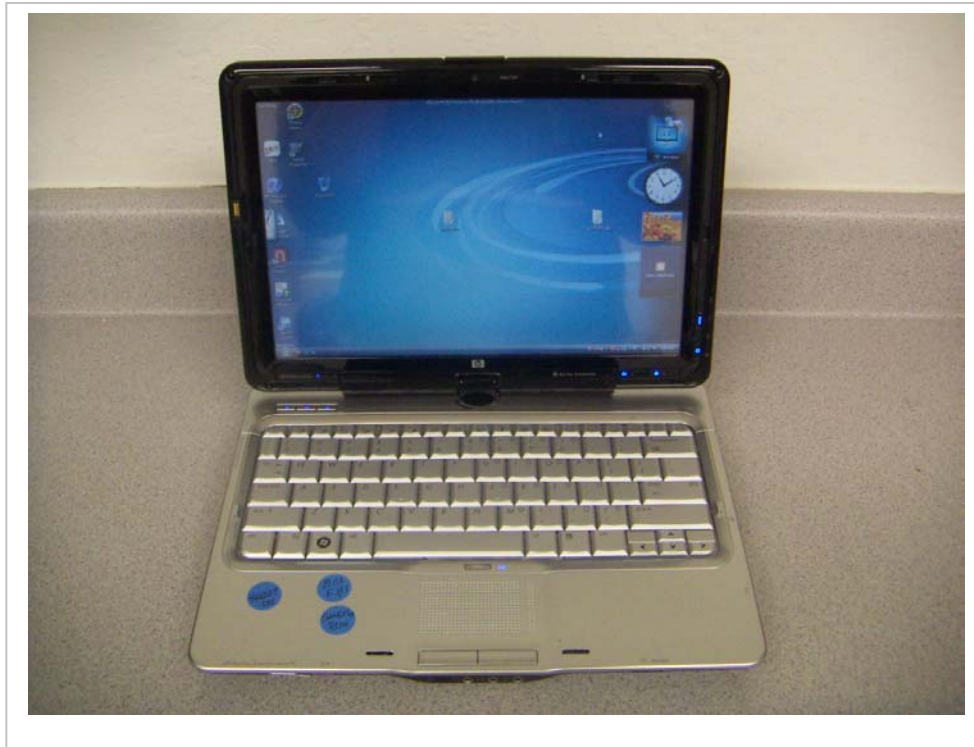
**8.6 NORMAL USE POSITION**

This position was skipped due to larger distance between the antennas and the phantom

## 12 PHOTOS

## EUT



**EUT Location**



**Tablet Mode**



**END OF REPORT**