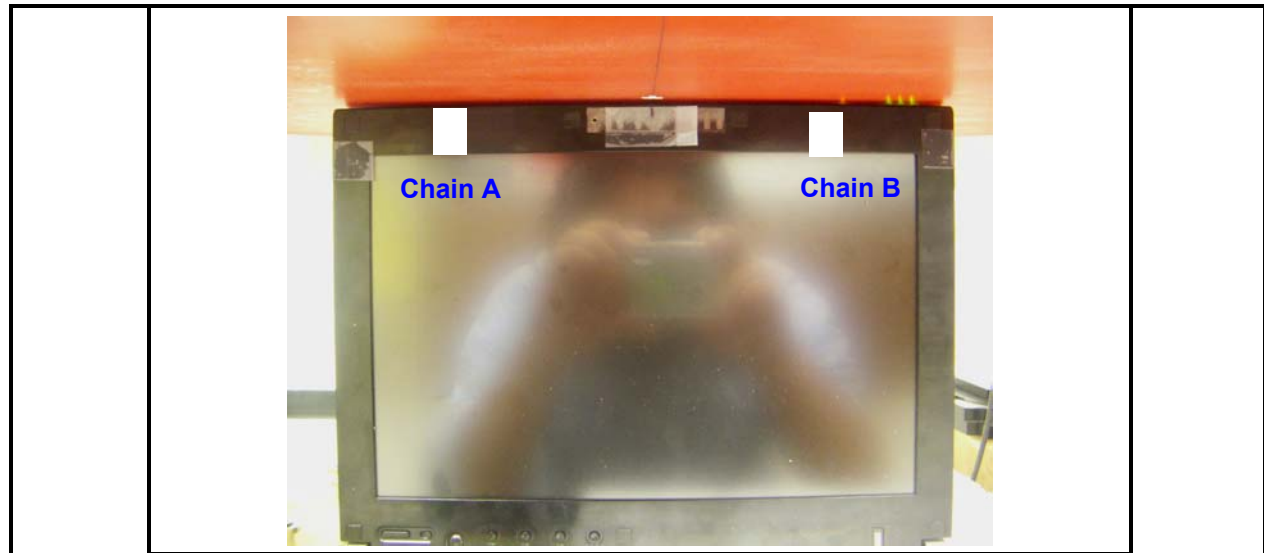


8 SAR MEASUREMENT RESULTS

8.1 2.4 GHZ BAND

8.1.1 SECONDARY LANDSCAPE



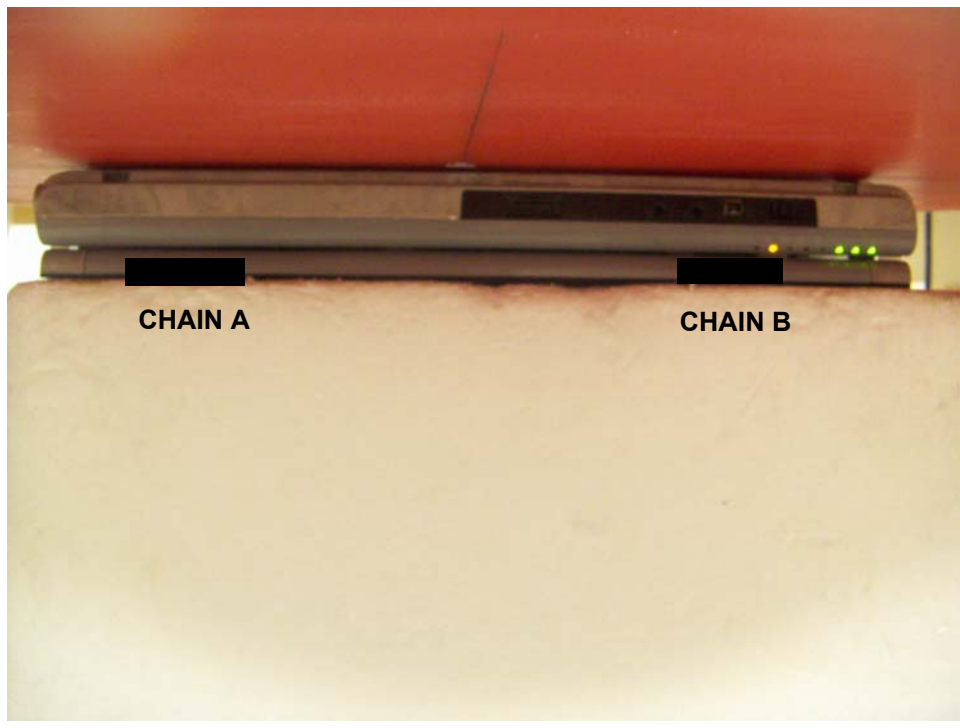
802.11b 2.4 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
6	2437	0.193	0.000	0.193
802.11b 2.4 GHz Chain B (Sub-A)				
6	2437	0.223	0.000	0.223
802.11g 2.4 GHz Chain A (Main)				
6	2437	0.331	-0.055	0.335
6⁴⁾	2437	0.323	-0.109	0.331
802.11g 2.4 GHz Chain B (Sub-A)				
6	2437	0.319	0.000	0.319
802.11n 2.4 GHz MIMO 20 MHz Bandwidth				
<i>MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS TRANSMITTING SIMULTANEOUSLY</i>				
6	2437	0.177	0.000	0.177

Notes:

- 1) The exact method of extrapolation is Measured SAR x 10^{^(-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) [Collocation with Bluetooth module](#)

8.1.2 LAP HELD

NOTE: Testing for 802.11b mode and MIMO configuration were skipped due significantly lower output power and low SAR measurement from the 802.11g mode.



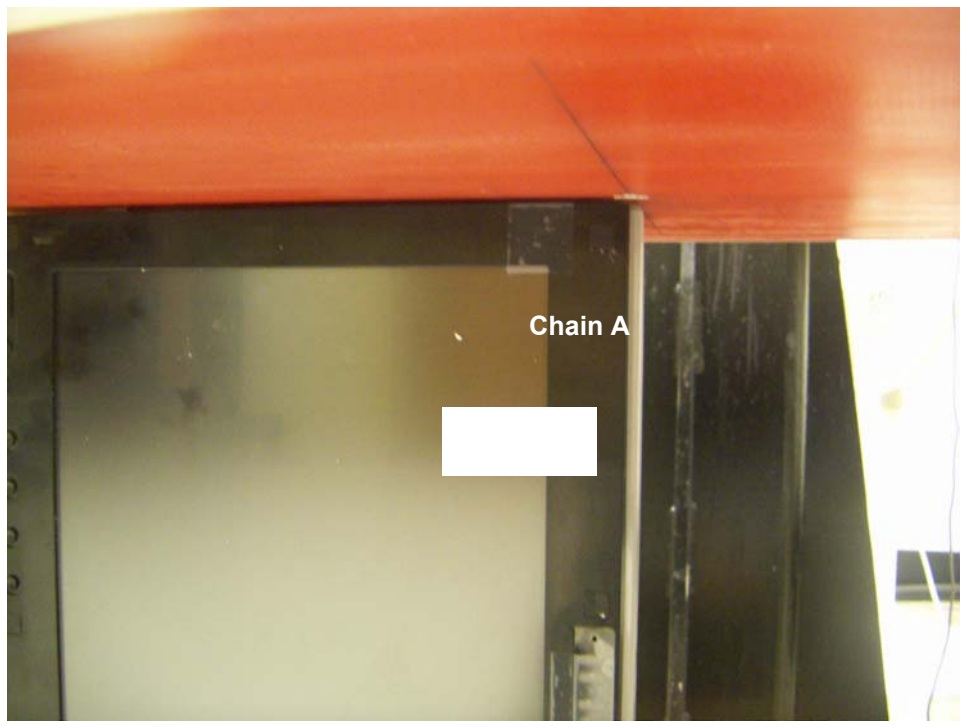
802.11g 2.4 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
1	2412			
6	2437	0.097	0.000	0.097
11	2462			
802.11g 2.4 GHz Chain B (Sub-A)				
1	2412			
6	2437	0.102	-0.030	0.103
11	2462			

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 PRIMARY PORTRAIT

NOTE: Testing for 802.11b mode and MIMO configuration were skipped due significantly lower output power and low SAR measurement from the 802.11g mode.



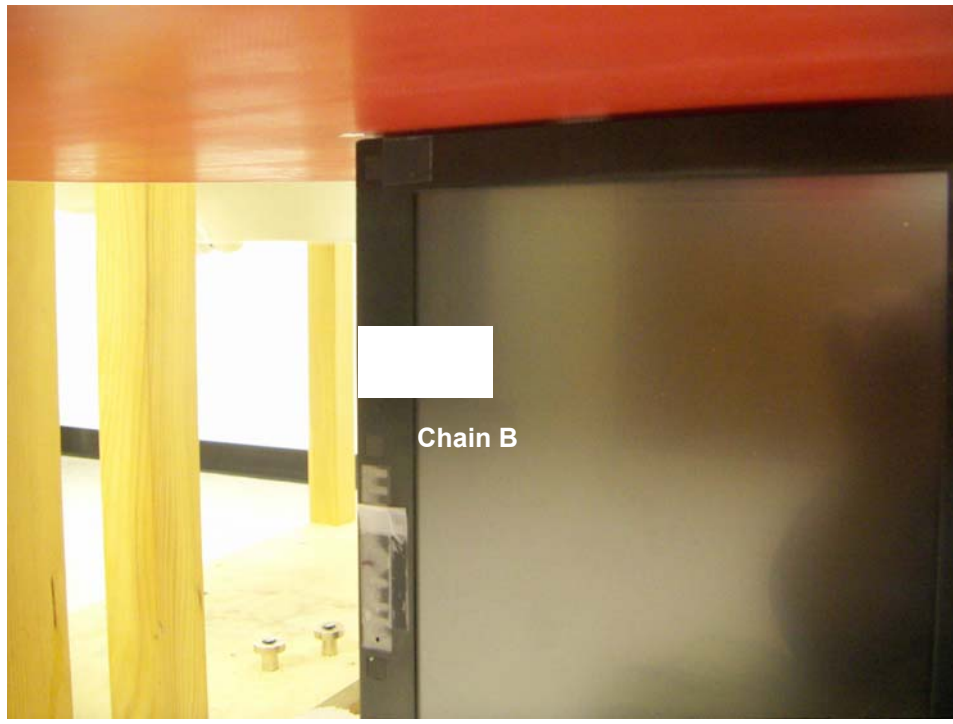
802.11g 2.4 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
1	2412			
6	2437	0.084	0.000	0.084
11	2462			

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 SECONDARY PORTRAIT

NOTE: Testing for 802.11b mode and MIMO configuration were skipped due significantly lower output power and low SAR measurement from the 802.11g mode.



802.11g 2.4 GHz Chain B (Sub-A)

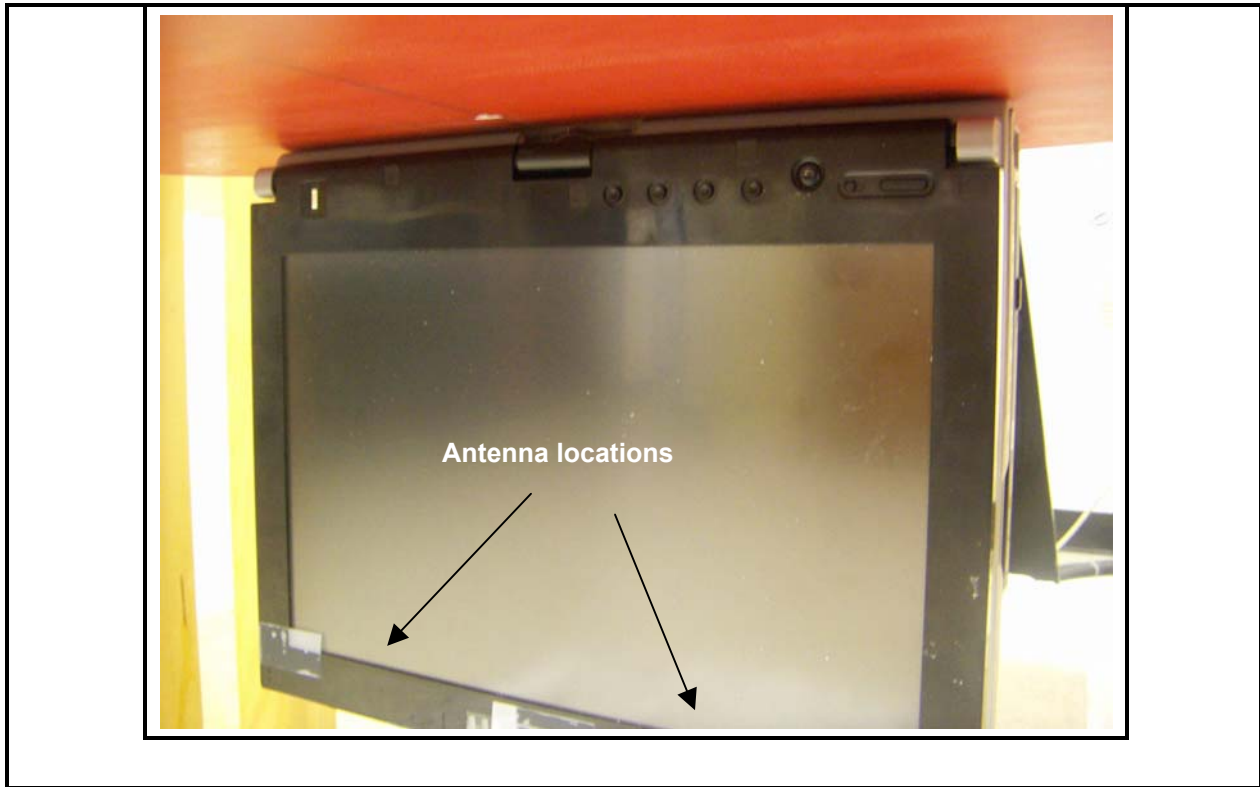
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
1	2412			
6	2437	0.069	-0.090	0.070
11	2462			

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.

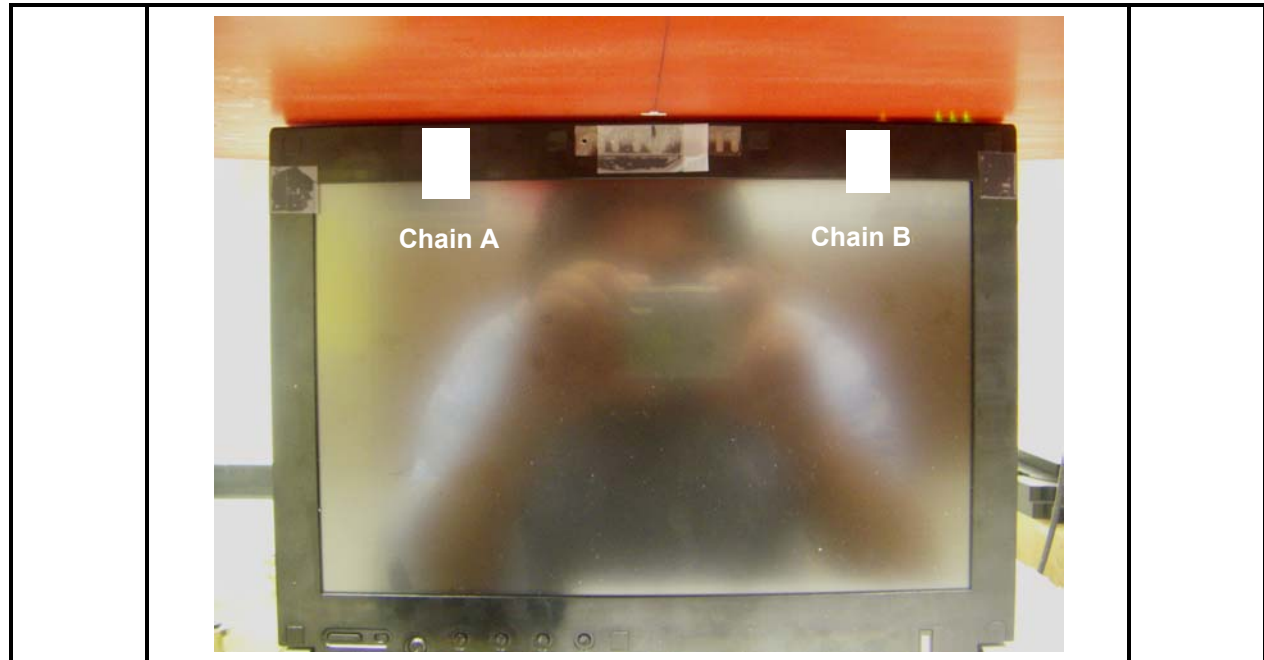
8.1.5 PRIMARY LANDSCAPE

NOTE: This position was not tested due to the large distance between the antennas and the phantom.



8.2 5.2 GHZ BAND

8.2.1 SECONDARY LANDSCAPE

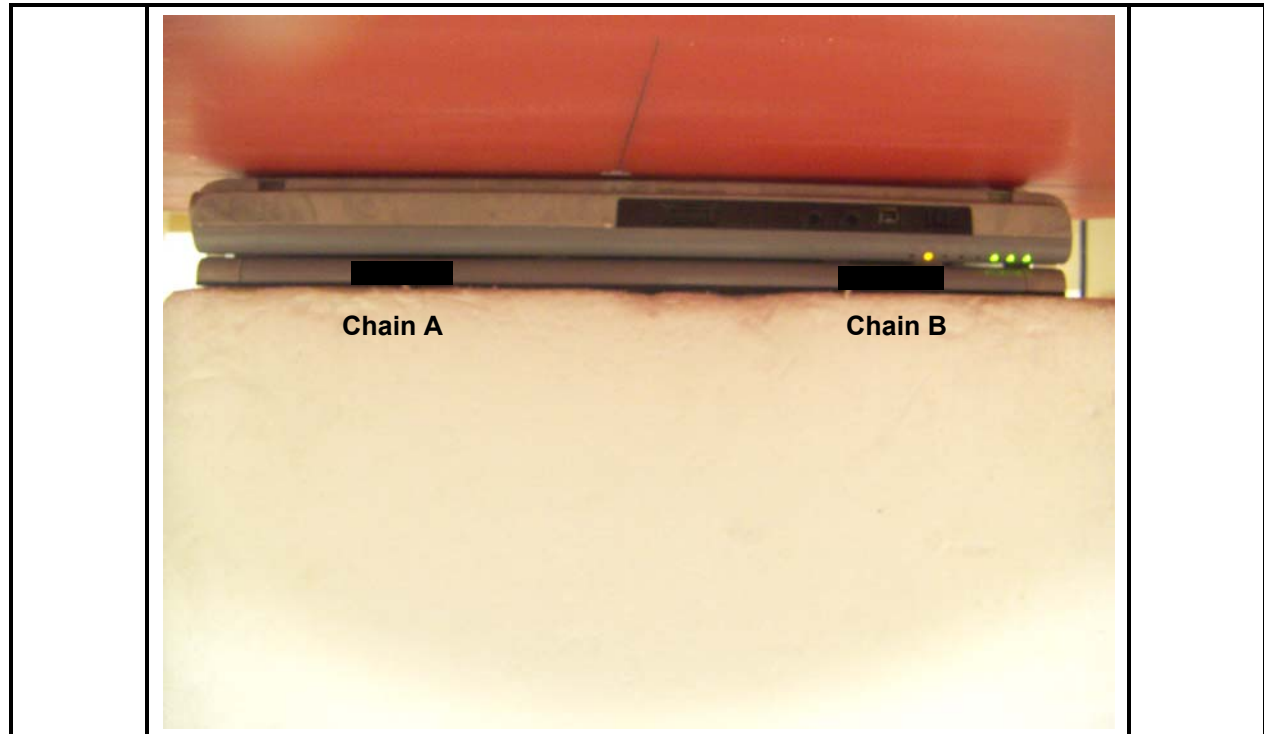


802.11a 5.2 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
52	5260	0.741	0.000	0.741
4)	5260	0.753	0.000	0.753
802.11a 5.2 GHz Chain B (Sub-A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.852	-0.096	0.871
52	5260	1.010	0.000	1.010
64	5320	0.744	0.000	0.744
52⁴⁾	5260	1.010	0.000	1.010
802.11n 5.2 GHz MIMO 20 MHz Bandwidth				
<i>MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS TRANSMITTING SIMULTANEOUSLY</i>				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
52	5260	0.618	0.000	0.618

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) [Collocation with Bluetooth module.](#)

8.2.2 LAP-HELD



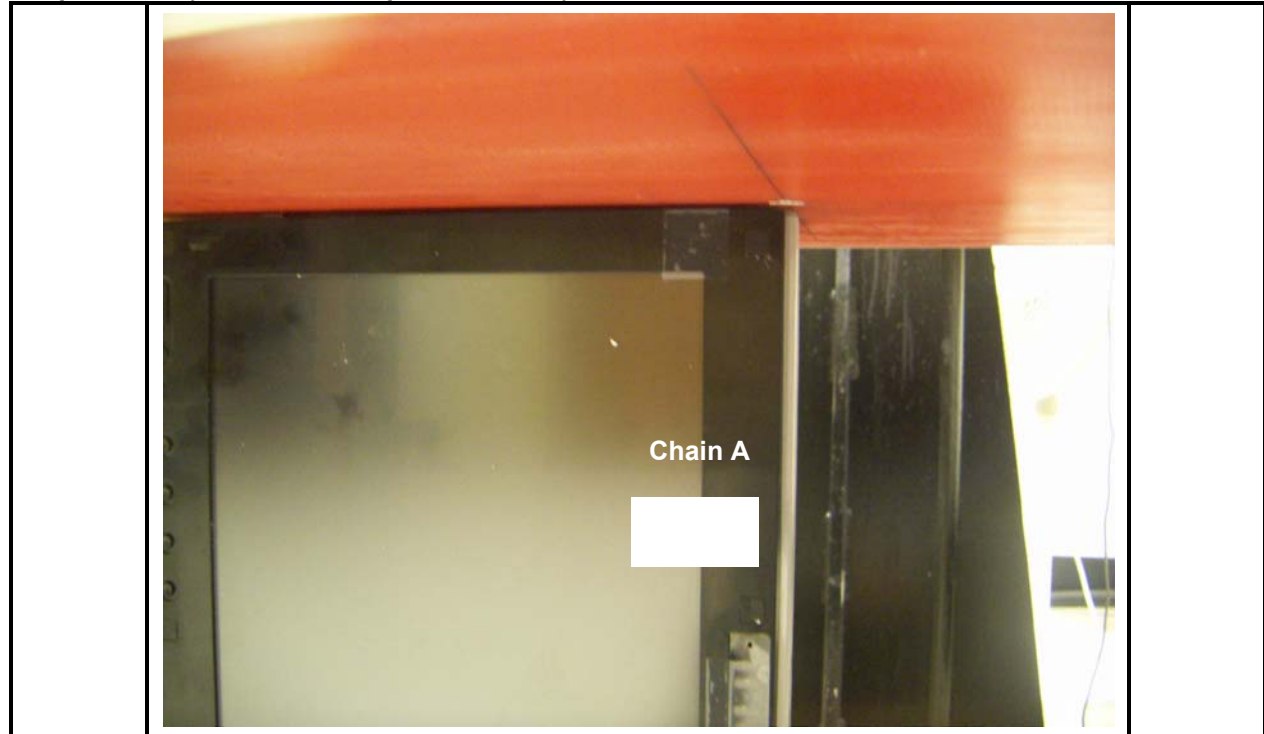
802.11a 5.2 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.263	0.000	0.263
52	5260			
64	5320			
802.11a 5.2 GHz Chain B (Sub-A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.248	0.000	0.248
52	5260			
64	5320			
802.11a 5.2 GHz MIMO 20 MHz Bandwidth				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.302	0.000	0.302
52	5260			
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.

8.2.3 PRIMARY PORTRAIT

NOTE: The Chain B (Sub-A) antenna is skipped due to the large distance between the antenna and the phantom. (Please see the photo section)



802.11a 5.2 GHz Chain A (Main)

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.116	-0.151	0.120
52	5260			
64	5320			

802.11a 5.2 GHz MIMO 20 MHz Bandwidth

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180	0.144	-0.185	0.150
52	5260			
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.

8.2.4 SECONDARY PORTRAIT

NOTE: The Chain A (Main) antenna is skipped due to the large distance between the antenna and the phantom. (Please see the photo section)



802.11a 5.2 GHz Chain B (Sub -A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
36	5180	0.156	0.000	0.156
52	5260			
64	5320			
802.11a 5.2 GHz MIMO 20 MHz Bandwidth				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
36	5180	0.164	0.000	0.164
52	5260			
64	5320			

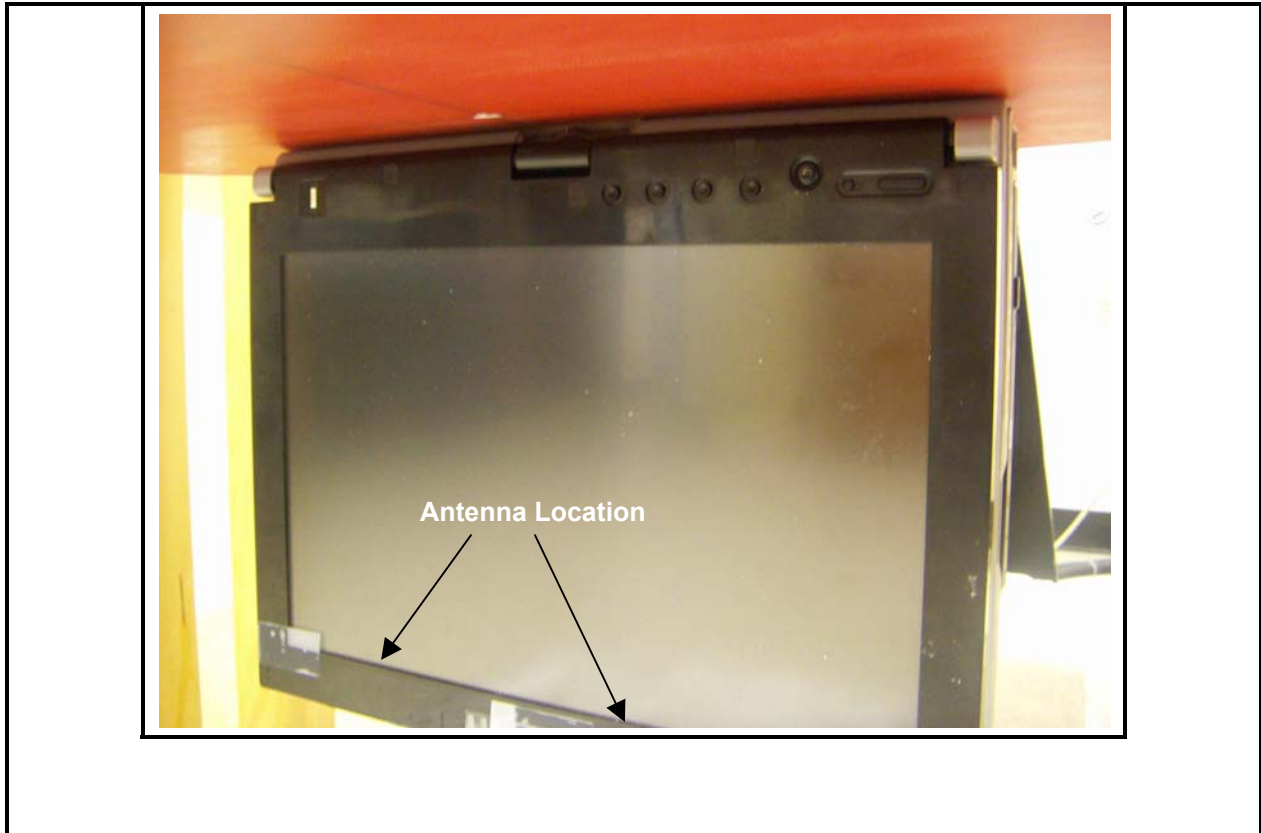
Notes:

- 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.

8.2.5 PRIMARY LANDSCAPE

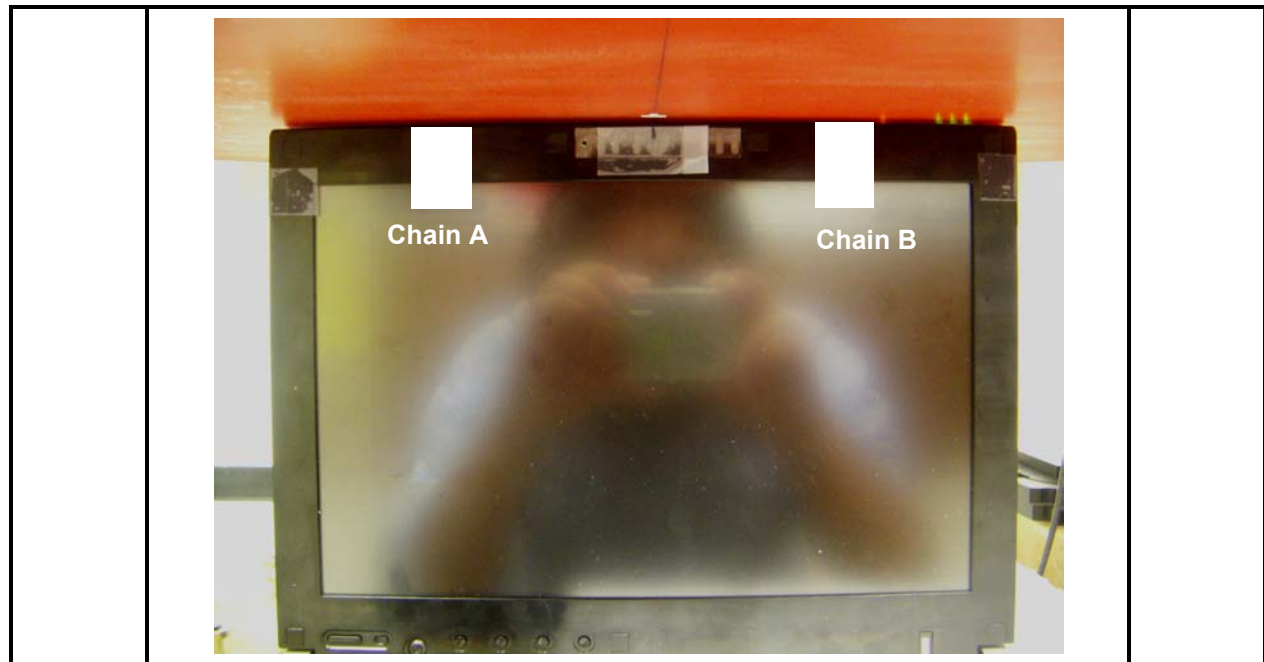
NOTE:

This position was not tested due to the large distance between the antennas and the phantom.



8.3 5.8 GHZ BAND

8.3.1 SECONDARY LANDSCAPE

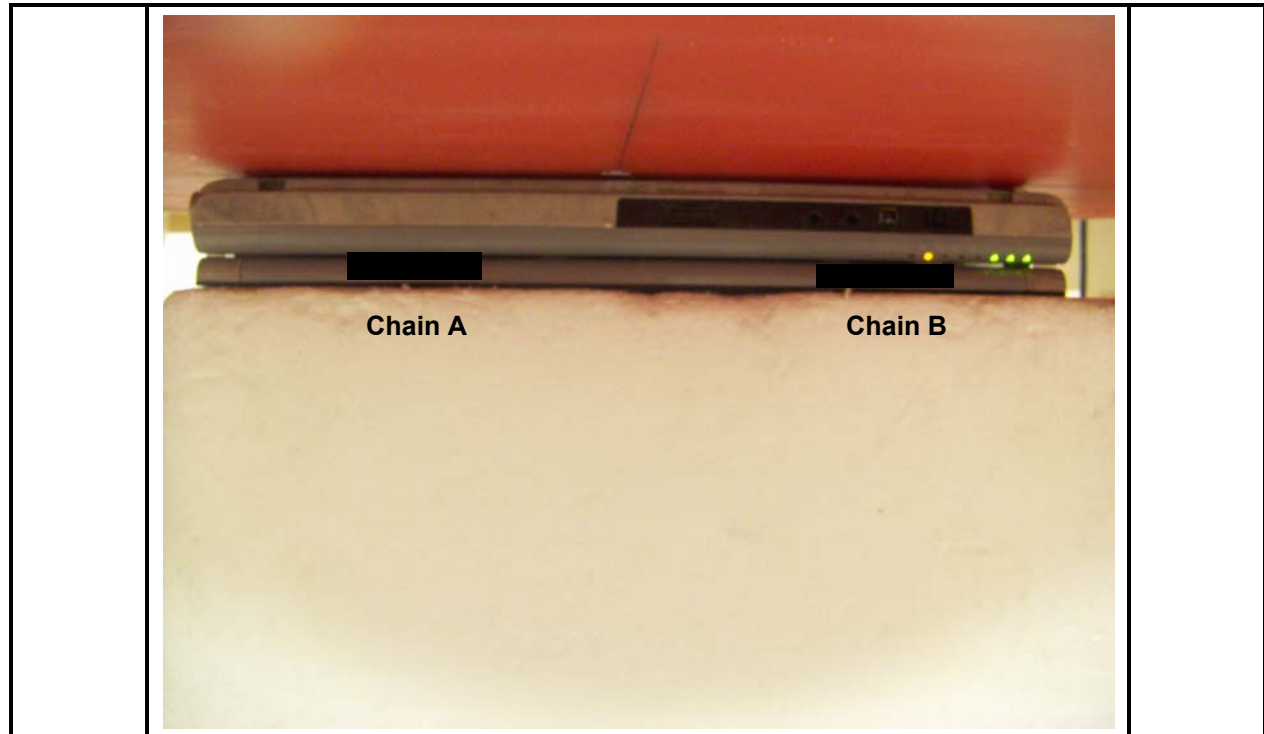


802.11a 5.8 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	1.010	-0.058	1.024
157	5785	1.070	0.000	1.070
165	5825	1.110	0.000	1.110
165 ⁴⁾	5825	1.130	0.000	1.130
802.11a 5.8 GHz Chain B (Sub-A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	1.410	-0.046	1.425
157	5785	1.450	-0.050	1.467
165	5825	1.420	-0.183	1.481
165⁴⁾	5825	1.430	-0.184	1.492
802.11n 5.8 GHz MIMO 20 MHz Bandwidth				
<i>MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS TRANSMITTING SIMULTANEOUSLY</i>				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	0.840	-0.106	0.861
157	5785	0.847	0.000	0.847
165	5825	0.870	0.000	0.870

Notes:

- 1) The exact method of extrapolation is Measured SAR x 10^{^(-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) [Collocation with Bluetooth module](#)

8.3.2 LAP-HELD



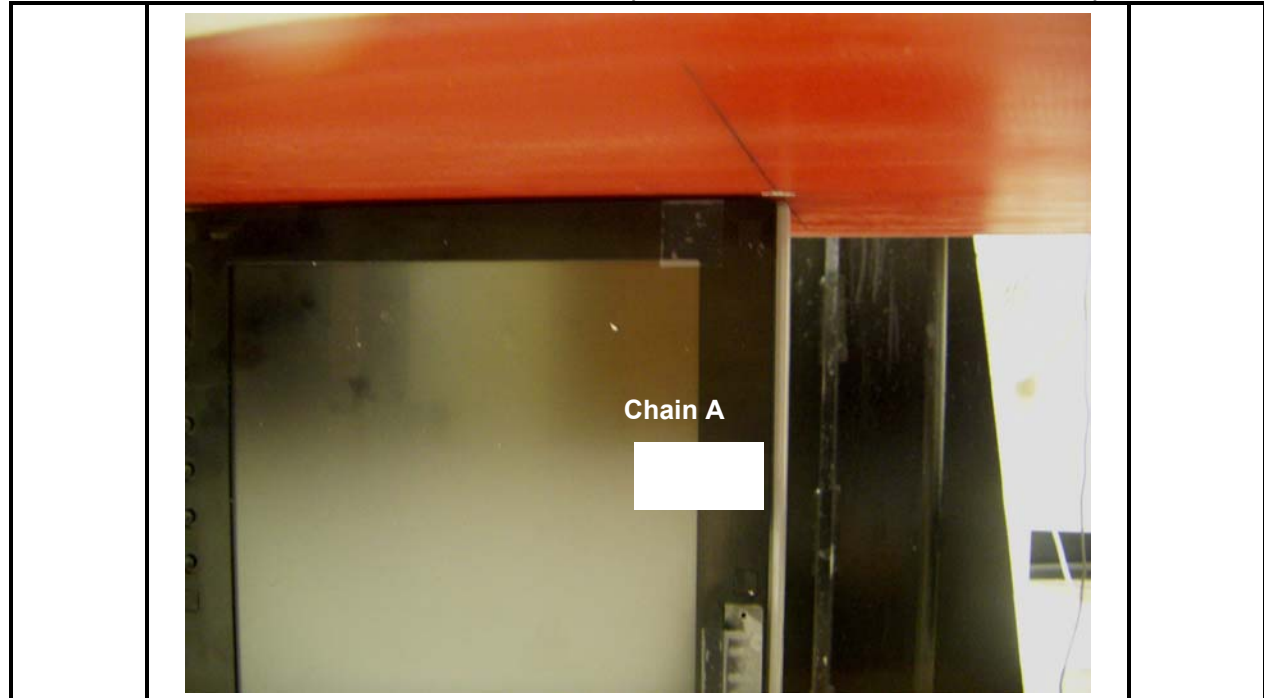
802.11a 5.8 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	0.684	0.000	0.684
157	5785			
165	5825			
802.11a 5.8 GHz Chain B (Sub-A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	0.790	0.000	0.790
157	5785			
165	5825			
802.11a 5.8 GHz MIMO 20 MHz Bandwidth				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745	0.769	-0.039	0.776
157	5785			
165	5825			

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.

8.3.3 PRIMARY PORTRAIT

TESTING FOR THE CHAIN B (SUB-A) ANTENNA IS SKIPPED DUE TO THE LARGE DISTANCE BETWEEN THE ANTENNA AND THE PHANTOM. (PLEASE SEE THE PHOTO SECTION)



802.11a 5.8 GHz Chain A (Main)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
149	5745	0.365	0.000	0.365
157	5785			
165	5825			
802.11a 5.8 GHz MIMO 20 MHz Bandwidth				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
149	5745	0.378	-0.012	0.379
157	5785			
165	5825			

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.

8.3.4 SECONDARY PORTRAIT

THE CHAIN A (MAIN) ANTENNA IS SKIPPED DUE TO THE LARGE DISTANCE BETWEEN THE ANTENNA AND THE PHANTOM. (PLEASE SEE THE PHOTO SECTION)



802.11a 5.8 GHz Chain B (Sub -A)				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
149	5745	0.373	0.000	0.373
157	5785			
165	5825			
802.11a 5.8 GHz MIMO 20 MHz Bandwidth				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
149	5745	0.339	0.000	0.339
157	5785			
165	5825			

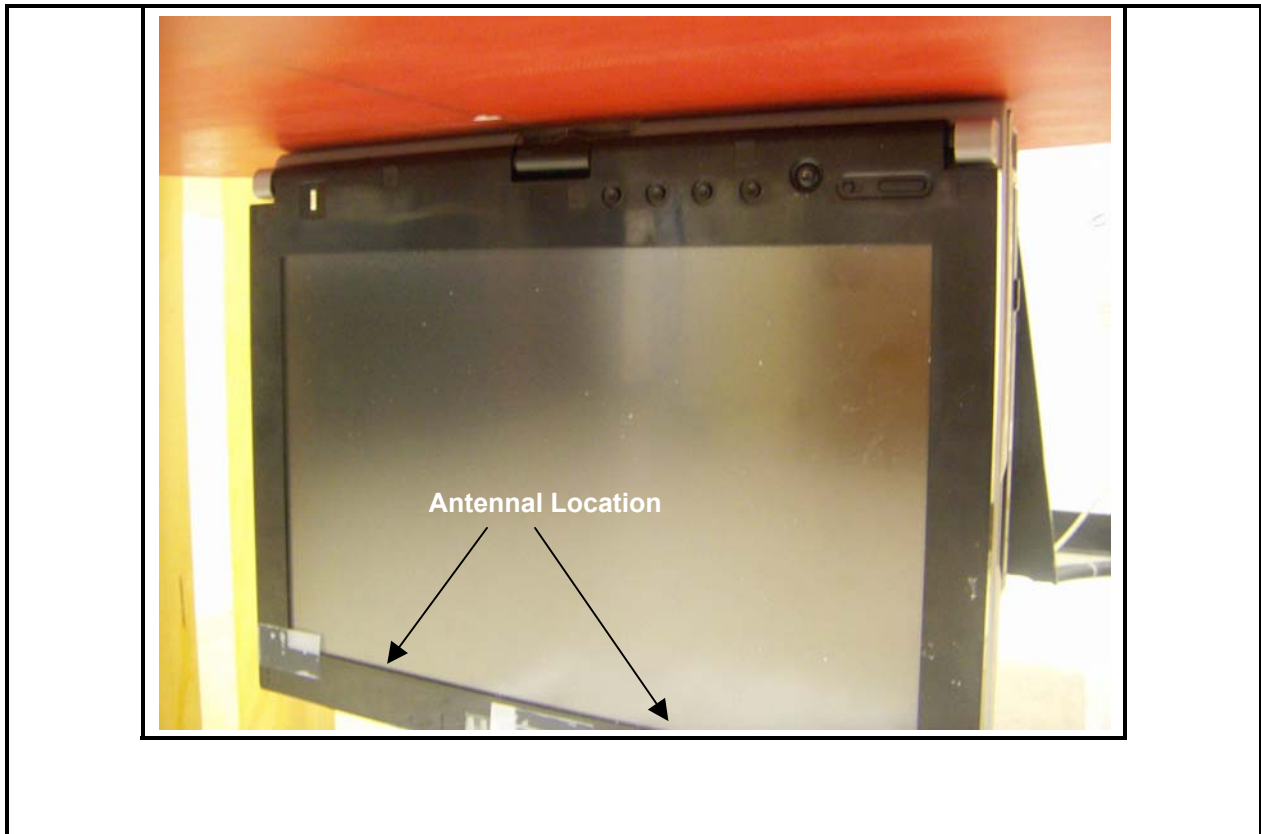
Notes:

- 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.

8.3.5 PRIMARY LANDSCAPE

NOTE:

THIS POSITION WAS NOT TESTED DUE TO THE LARGE DISTANCE BETWEEN THE ANTENNAS AND THE PHANTOM.



11 PHOTOS

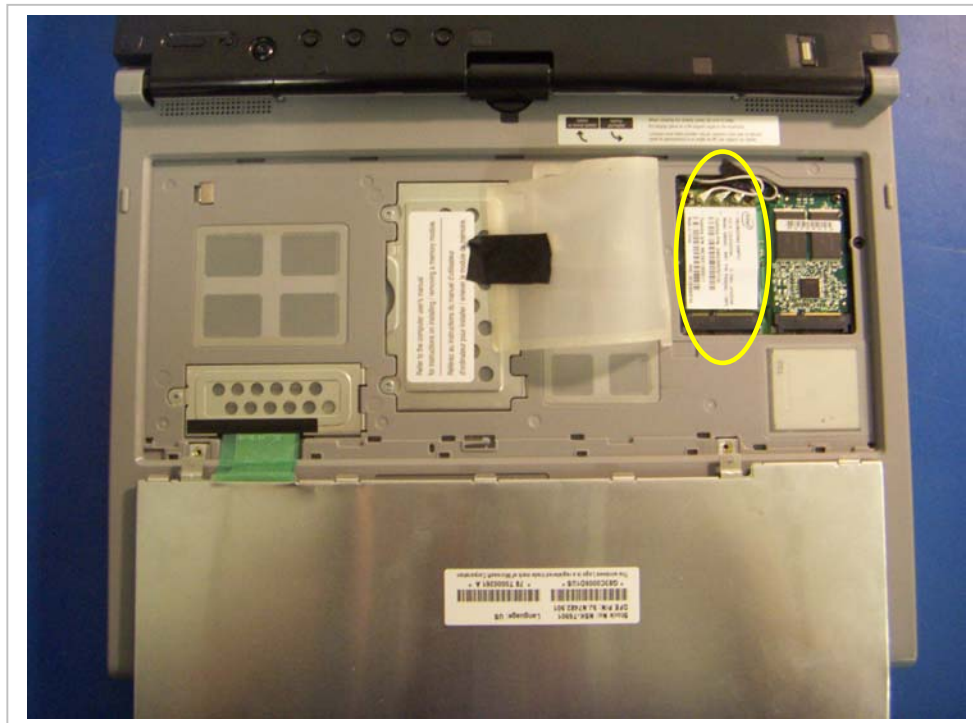
EUT



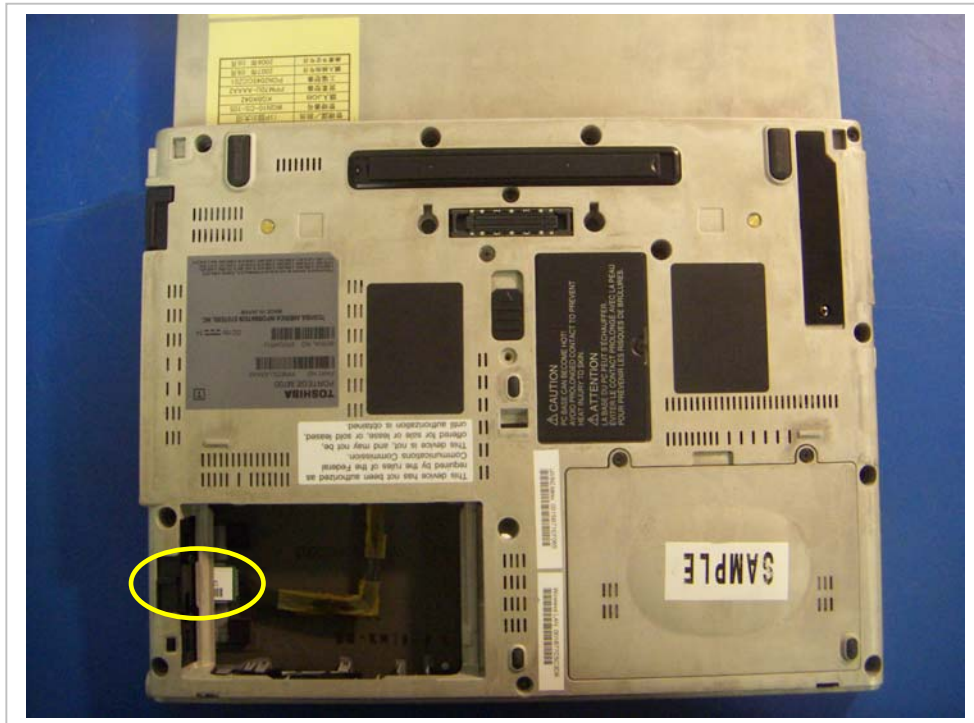
Tablet Mode



EUT Location



Bluetooth Module Location



Antenna Location

