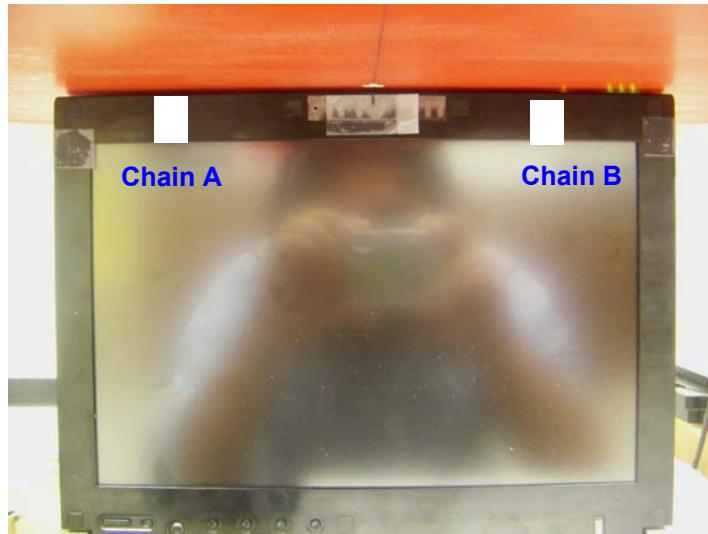


8 SAR MEASURMENT RESULTS

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
6 ⁴⁾	2437	0.323	-0.109	0.331

802.11g 2.4 GHz Chain B (Sub-A)

6	2437	0.319	0.000	0.319
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802.11n 2.4 GHz MIMO 20 MHz Bandwidth

MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS
TRANSMITTING SIMULTANEOUSLY

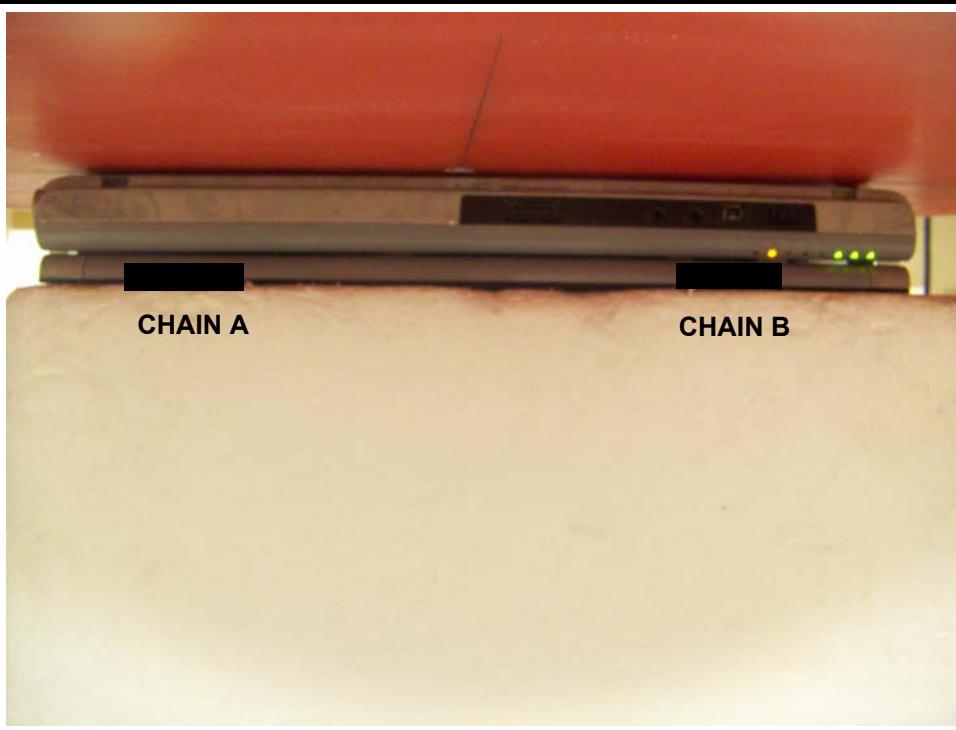
6	2437	0.177	0.000	0.177
---	------	-------	-------	-------

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)

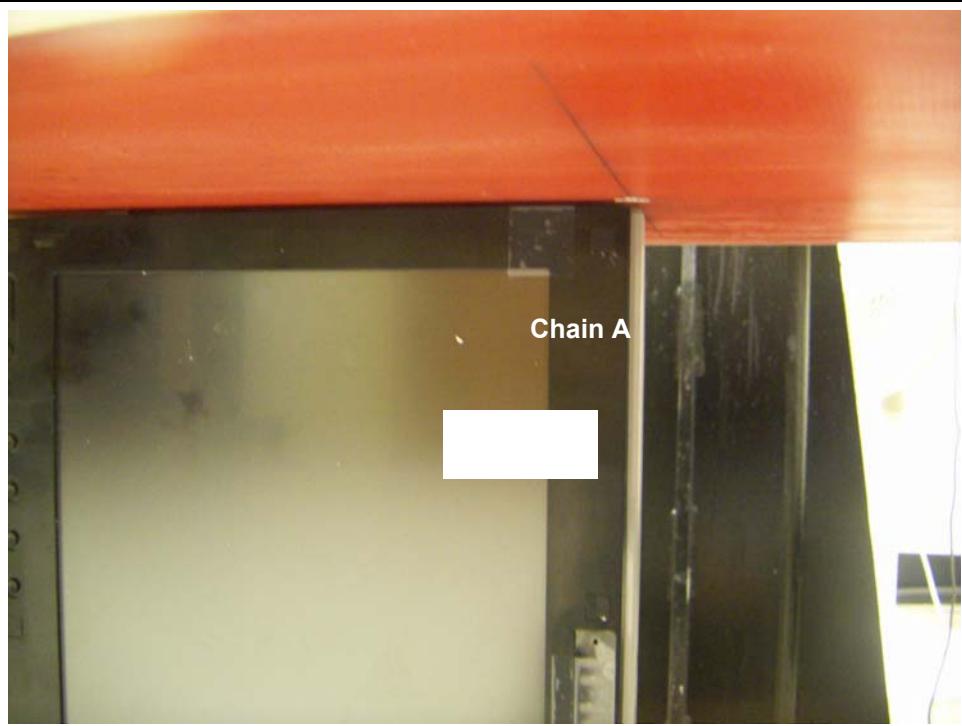
1	2412			
6	2437	0.102	-0.030	0.103
11	2462			

Notes:

- 1) The exact method of extrapolation is 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)	Extrapolated ¹⁾ SAR 1g (mW/g)
1	2412			
6	2437			
11	2462	0.084	0.000	0.084

Notes:

- 1) The exact method of extrapolation is 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)

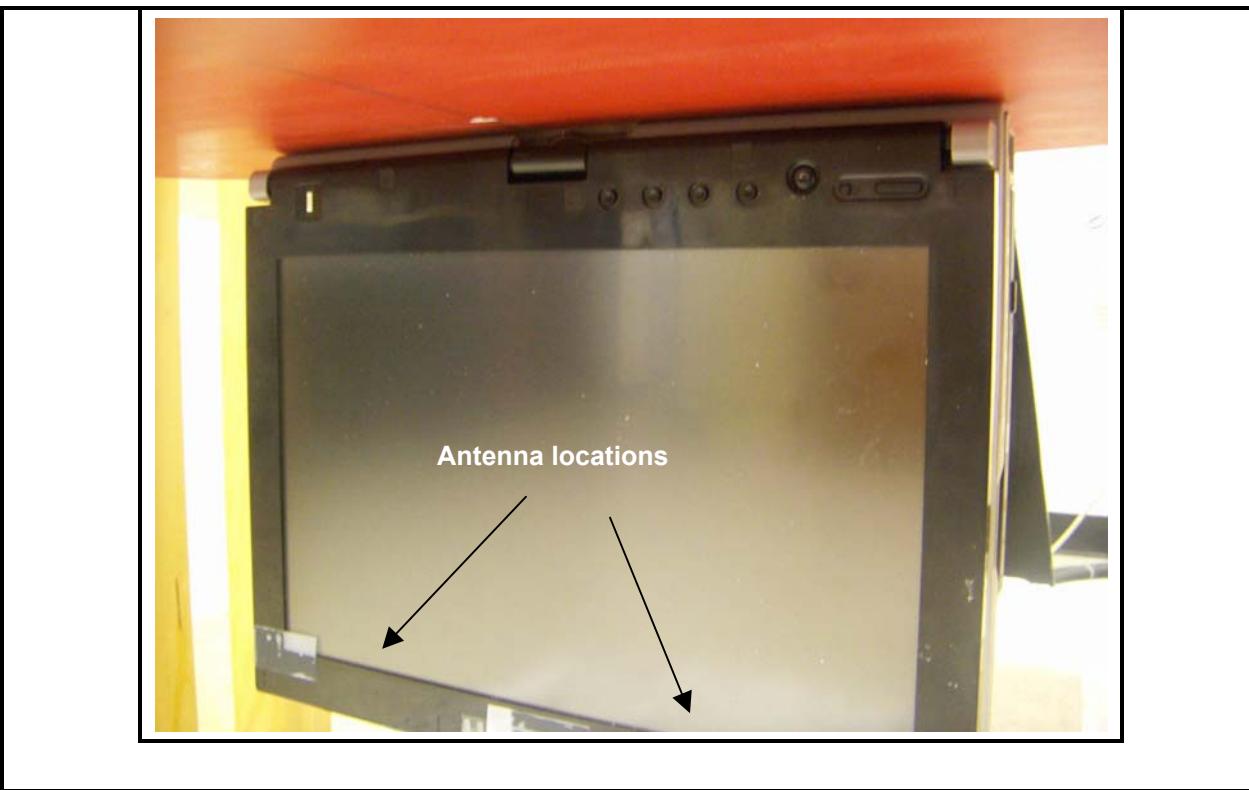
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
1	2412			
6	2437	0.069	-0.090	0.070
11	2462			

Notes:

- 1) The exact method of extrapolation is 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.

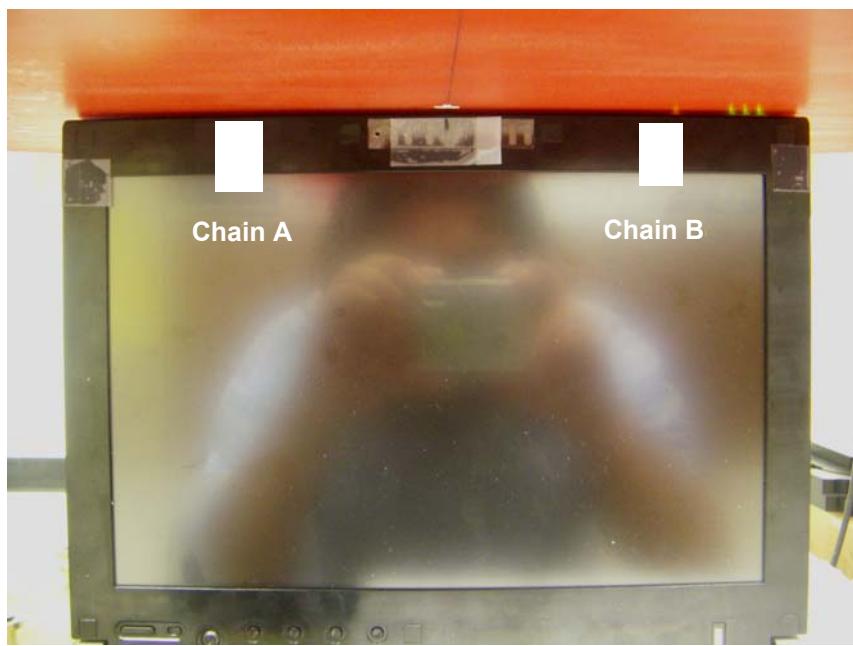
8.1.5 PRIMARY LANDSCAPE

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
52 ⁴⁾	5260	1.010	0.000	1.010

802.11n 5.2 GHz MIMO 20 MHz Bandwidth

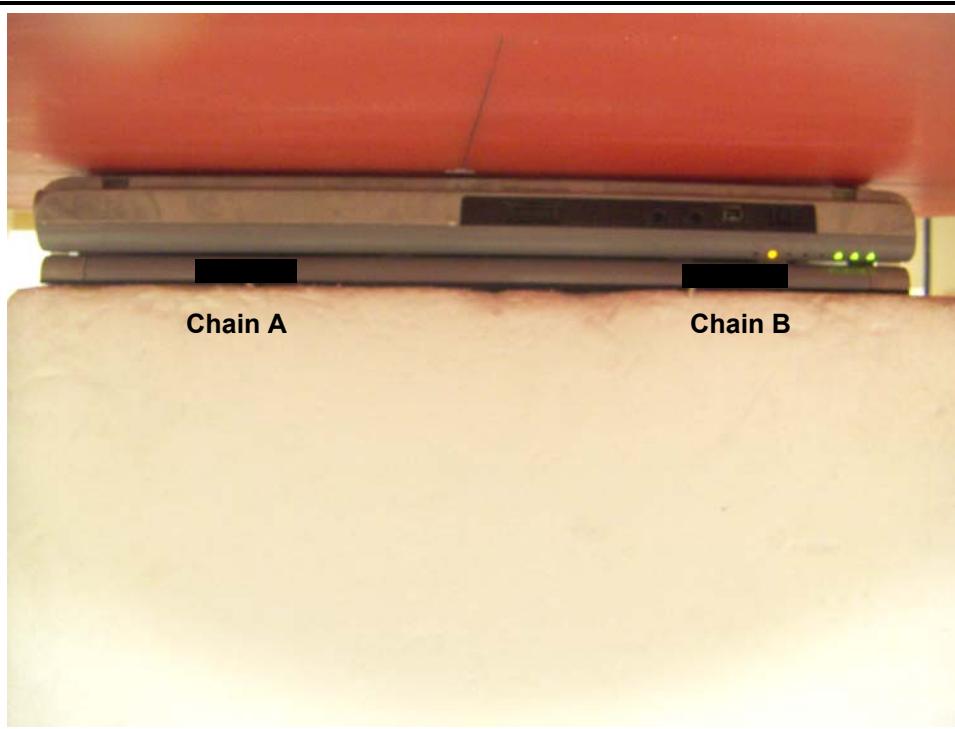
MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS
TRANSMITTING SIMULTANEOUSLY

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 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			
52	5260	0.263	0.000	0.263
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			
52	5260	0.248	0.000	0.248
64	5320			

802.11a 5.2 GHz MIMO 20 MHz Bandwidth

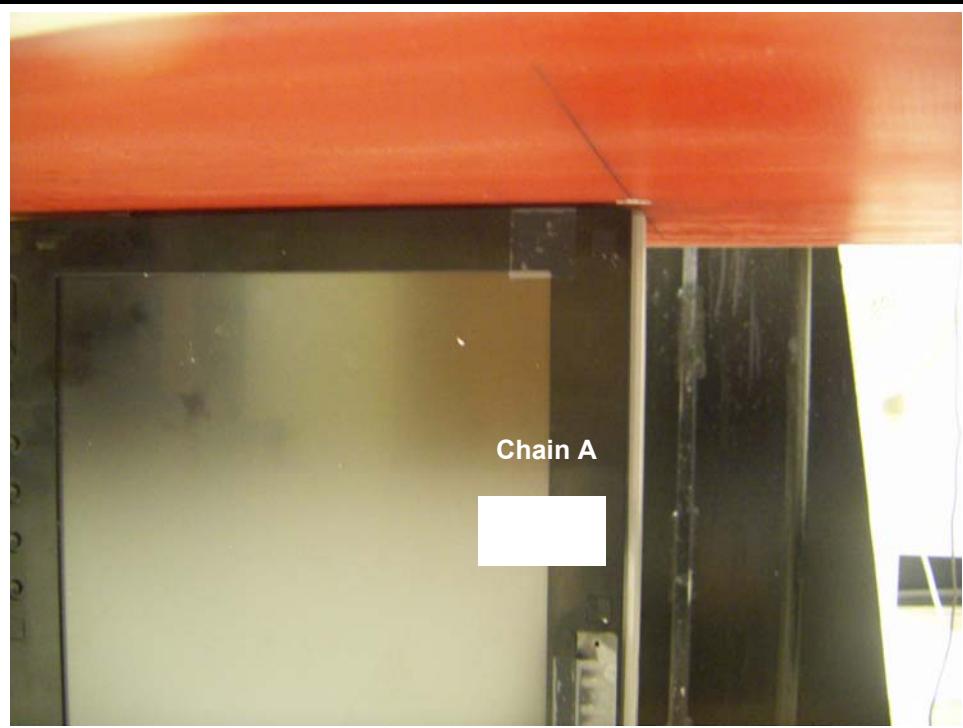
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180			
52	5260	0.302	0.000	0.302
64	5320			

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			
52	5260	0.116	-0.151	0.120
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			
52	5260	0.144	-0.185	0.150
64	5320			

Notes:

- 1) The exact method of extrapolation is 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)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180			
52	5260	0.156	0.000	0.156
64	5320			

802.11a 5.2 GHz MIMO 20 MHz Bandwidth

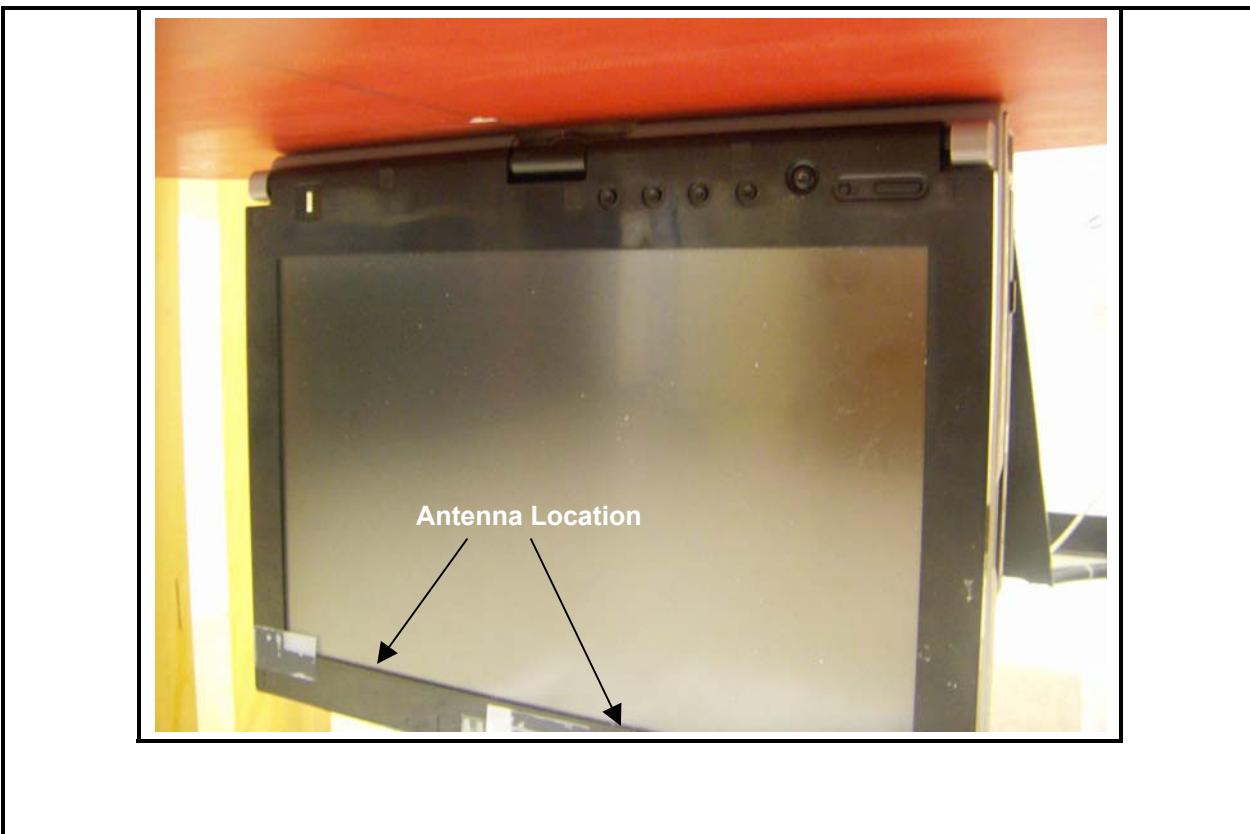
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
36	5180			
52	5260	0.164	0.000	0.164
64	5320			

Notes:

- 1) The exact method of extrapolation is 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.

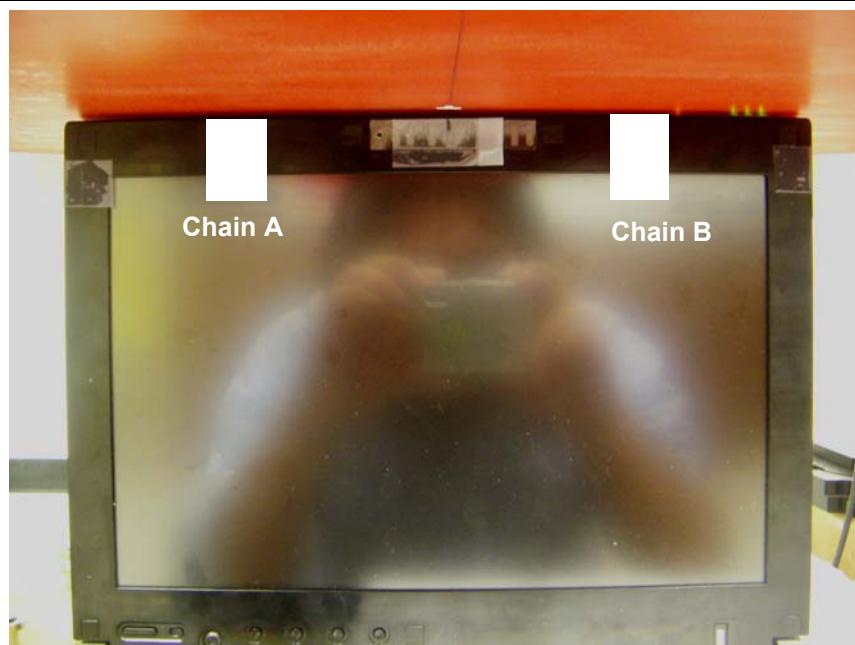
8.2.5 PRIMARY LANDSCAPE**NOTE:**

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
165 ⁴⁾	5825	1.430	-0.184	1.492

802.11n 5.8 GHz MIMO 20 MHz Bandwidth

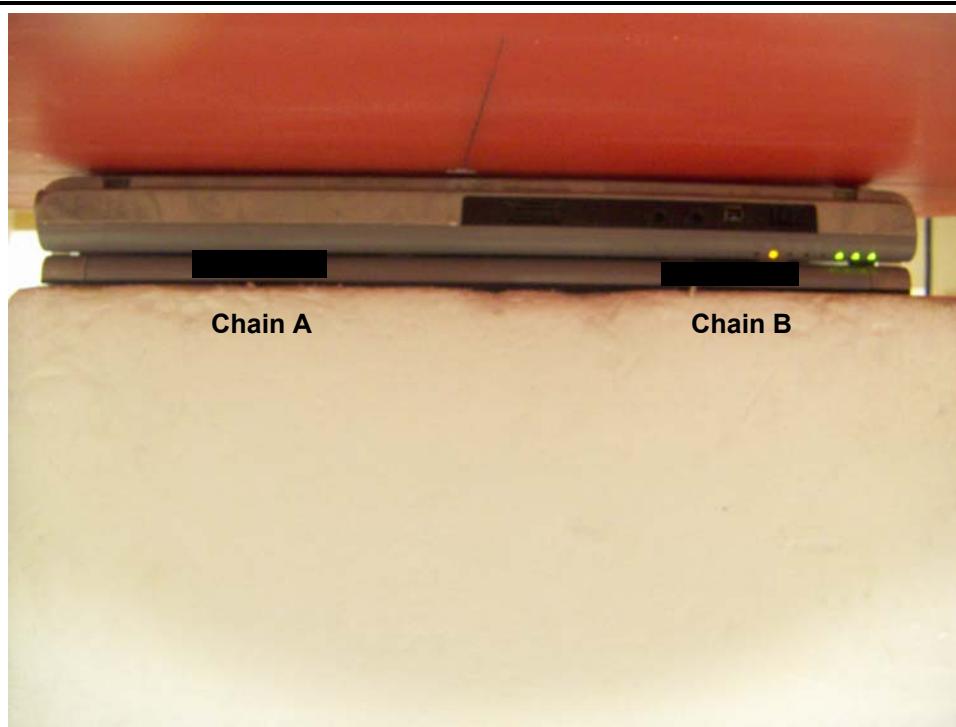
MIMO CONFIGURATIONS WAS MEASURED WITH ALL ANTENNAS
TRANSMITTING SIMULTANEOUSLY

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			
157	5785	0.684	0.000	0.684
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			
157	5785	0.790	0.000	0.790
165	5825			

802.11a 5.8 GHz MIMO 20 MHz Bandwidth

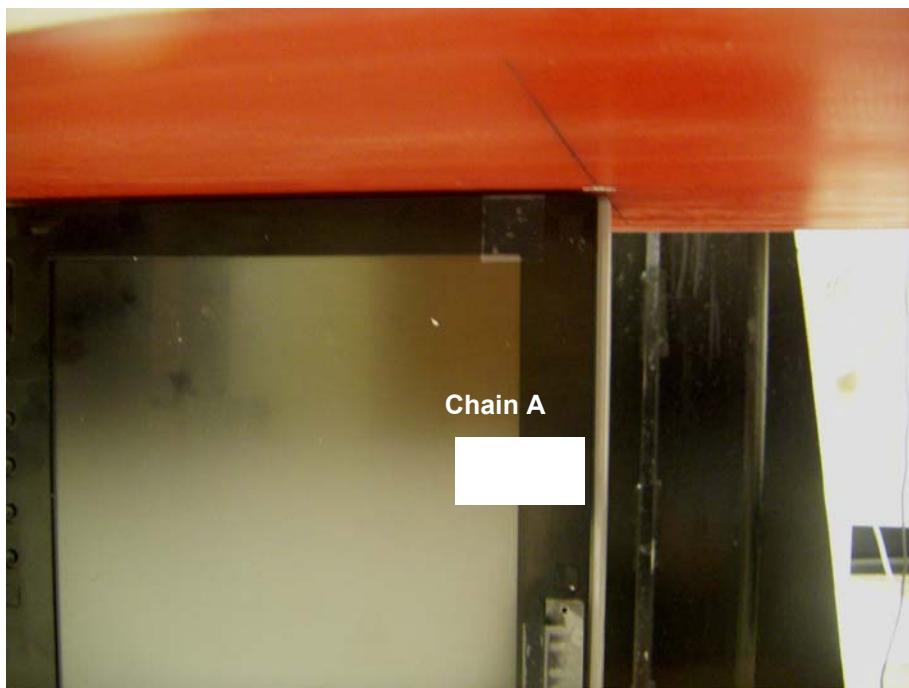
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745			
157	5785	0.769	-0.039	0.776
165	5825			

Notes:

- 1) The exact method of extrapolation is 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)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745			
157	5785	0.365	0.000	0.365
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			
157	5785	0.378	-0.012	0.379
165	5825			

Notes:

- 1) The exact method of extrapolation is 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)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745			
157	5785	0.373	0.000	0.373
165	5825			

802.11a 5.8 GHz MIMO 20 MHz Bandwidth

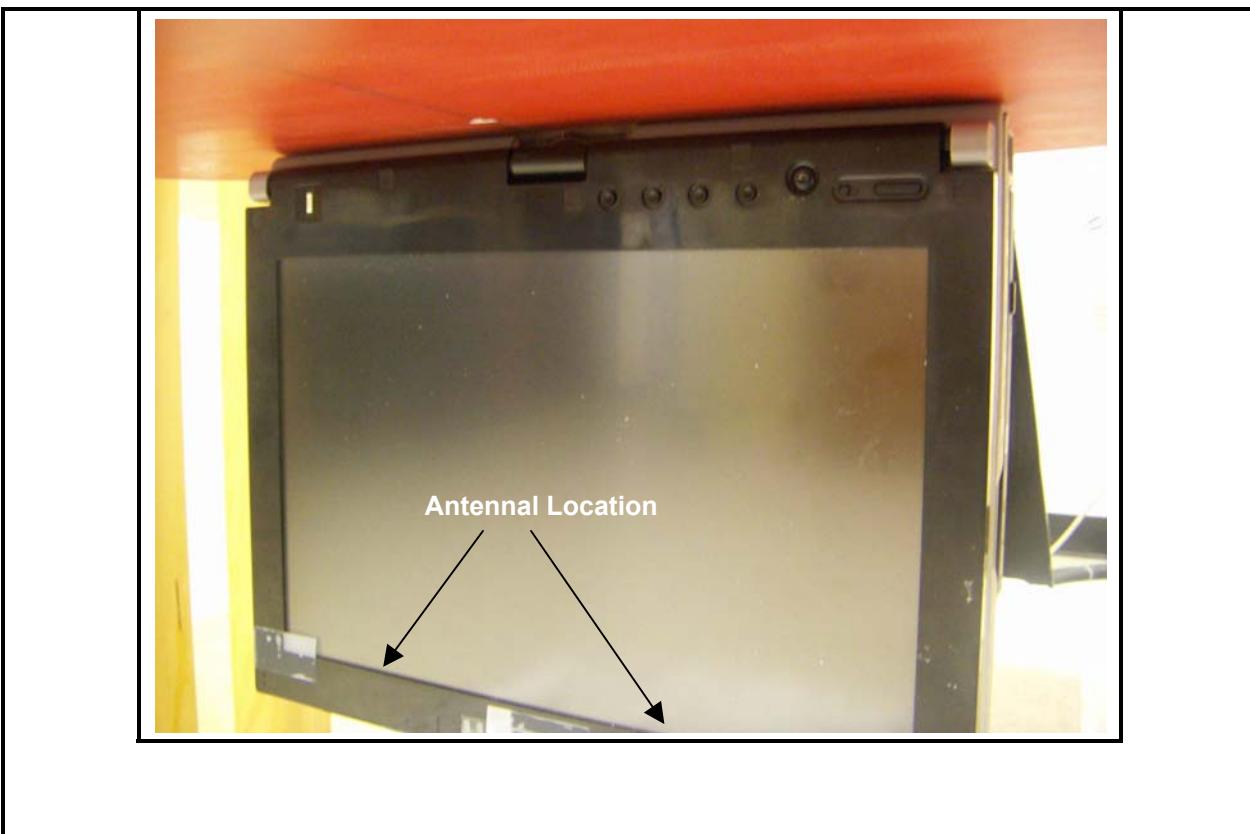
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
149	5745			
157	5785	0.339	0.000	0.339
165	5825			

Notes:

- 1) The exact method of extrapolation is 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:**

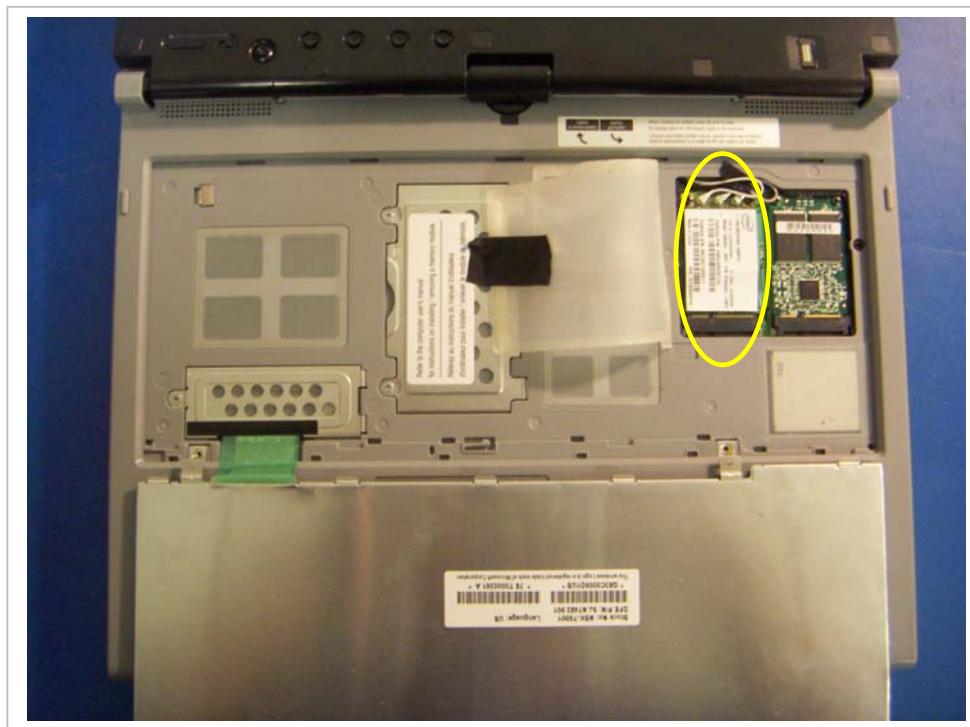
THIS POSITION WAS NOT TESTED DUE TO THE LARGE DISTANCE BETWEEN THE ANTENNAS AND THE PHANTOM.

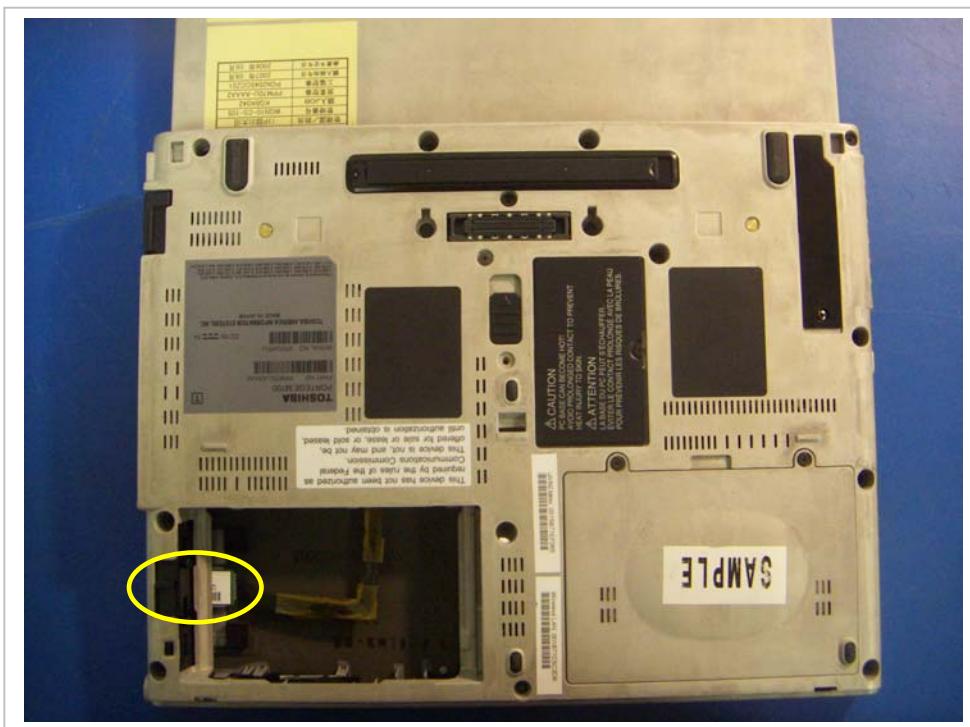


11 PHOTOS

EUT



Tablet Mode**EUT Location**

Bluetooth Module Location**Antenna Location**