


8 SAR MEASUREMENT RESULTS

8.1 2.4GHZ BANDS – SMARTANT ANTENNA

Note: Main antenna was not tested due to the large distance between the antenna and the phantom.



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
802.11b (1Mbps) - SmartAnt Antenna				
6	2437	0.016	0.000	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.

8.2 2.4 GHZ BANDS – ACON AND AMPHENOL ANTENNA



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
802.11b (1Mbps) - Amphenol Antenna				
6	2437	0.064	0.000	0.064
802.11b (1Mbps) - Acon Antenna				
6	2437	0.152	-0.173	0.158

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 GHZ BANDS – AMPHENOL ANTENNA



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
5.2 GHz - 802.11a mode (6 Mbps)				
40	5200	0.296	-0.106	0.303
5.3 GHz - 802.11a mode (6 Mbps)				
60	5300	0.591	-0.088	0.603
5.5 GHz - 802.11a mode (6 Mbps)				
120	5600	0.553	-0.078	0.563
5.8 GHz - 802.11n HT40 mode (6 Mbps)				
159	5795	0.318	0.000	0.318

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 5 GHZ BANDS – ACON ANTENNA



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
5.2 GHz - 802.11a mode (6 Mbps)				
40	5200	0.258	0.000	0.258
5.3 GHz - 802.11a mode (6 Mbps)				
60	5300	0.504	-0.139	0.520
5.5 GHz - 802.11a mode (6 Mbps)				
120	5600	0.561	-0.071	0.570
5.8 GHz - 802.11n HT40 mode				
159	5795	0.480	0.000	0.480

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 5 GHZ BANDS – SMARTANT ANTENNA



Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
5.2 GHz - 802.11a mode (6 Mbps)				
40	5200	0.284	-0.116	0.292
5.3 GHz - 802.11a mode (6 Mbps)				
60	5300	0.557	0.000	0.557
5.5 GHz - 802.11a mode (6 Mbps)				
120	5600	0.496	-0.153	0.514
5.8 GHz - 802.11n HT40 mode				
159	5795	0.397	0.000	0.397

Notes:

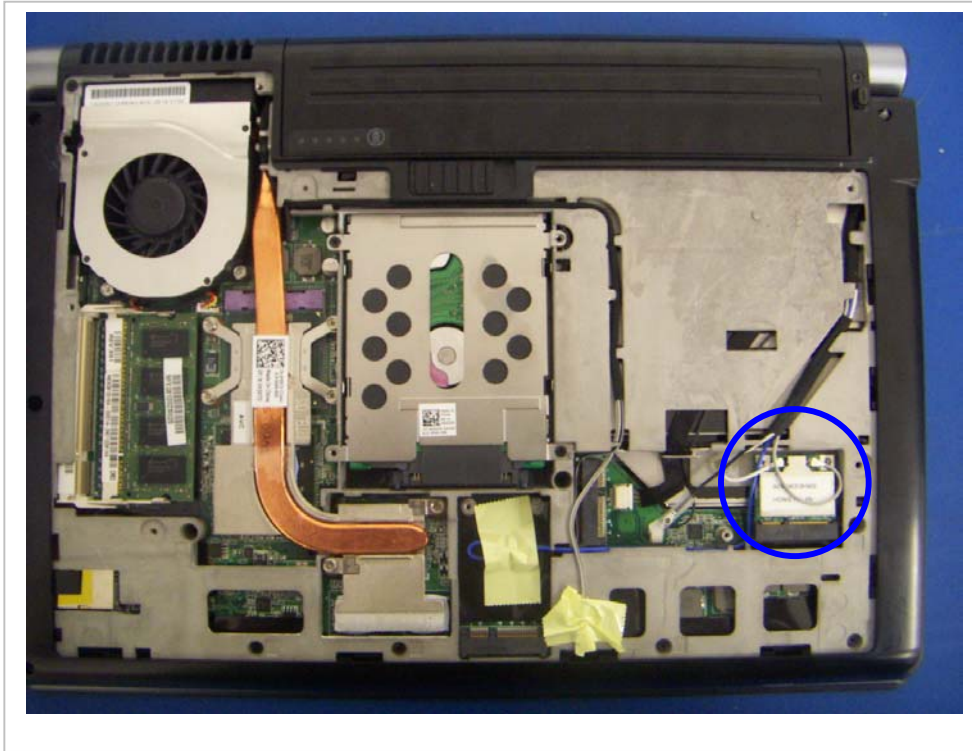
- 1) The exact method of extrapolation is $\text{Measured SAR} \times 10^{(-\text{drift}/10)}$. The SAR reported at the end of the measurement process by the DASY4 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the 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.

12 PHOTOS

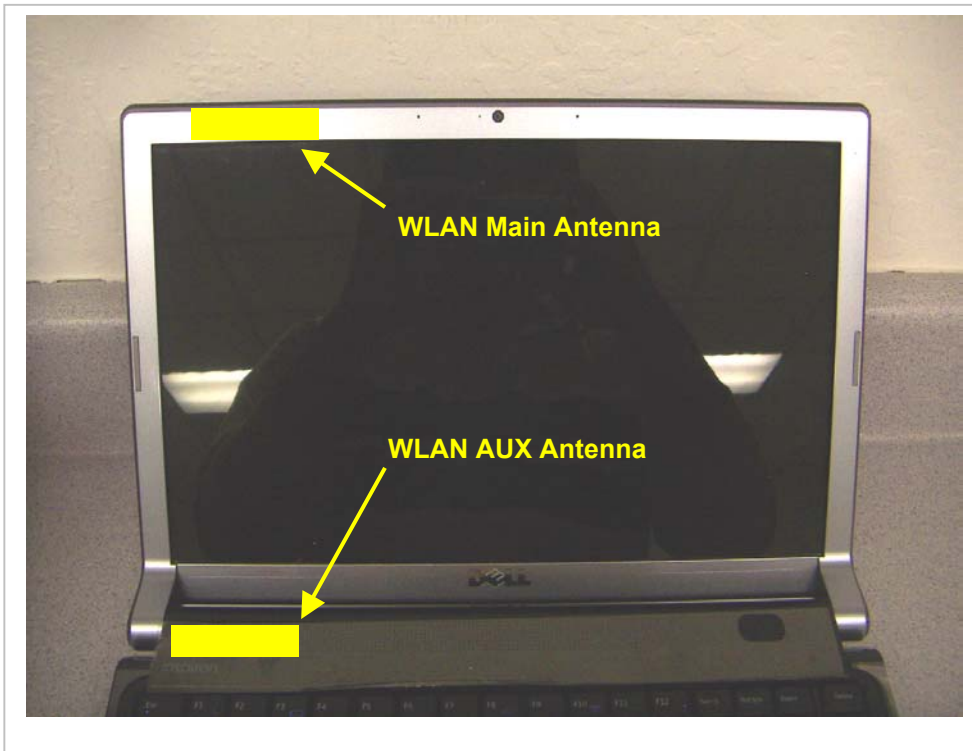
EUT - BCM943322HM8L



EUT Location



Antenna Location



END OF REPORT