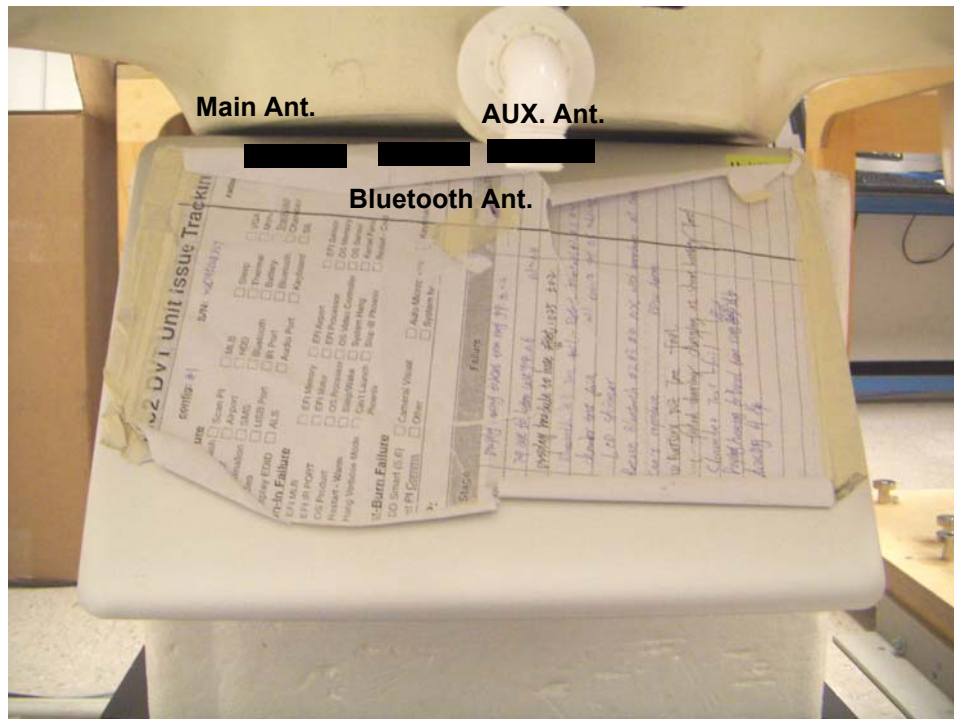


8 SAR MEASUREMENT RESULTS

8.1 2.4 GHZ BAND (2.412 – 2462 GHZ) - LAP-HELD POSITION

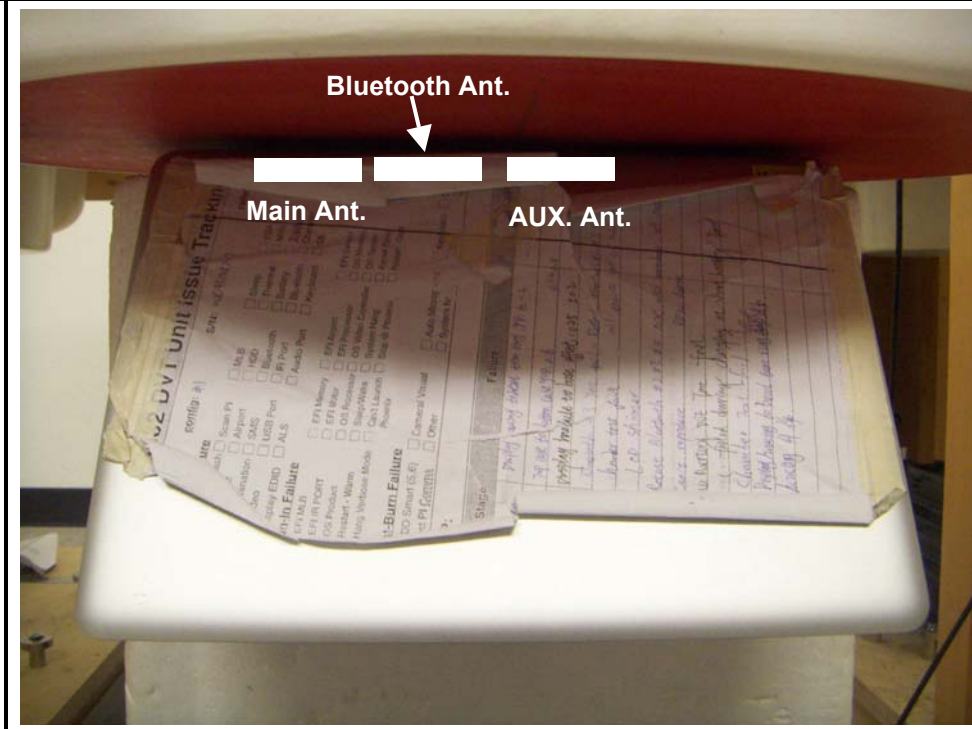


| Channel | f (MHz) | Measured SAR 1g (mW/g) | Power Drift (dB) | Extrapolated ¹⁾ SAR 1g (mW/g) |
|-----------------------------------|---------|---------------------------|---------------------|---|
| 802.11b - Main Antenna | | | | |
| 6 | 2437 | 0.472 | 0.000 | 0.472 |
| 6 ⁴⁾ | 2437 | 0.534 | -0.013 | 0.536 |
| 802.11g - Main Antenna | | | | |
| 6 | 2437 | 0.394 | -0.120 | 0.405 |
| 802.11b - Aux Antenna | | | | |
| 6 | 2437 | 0.260 | -0.155 | 0.269 |
| 802.11g - Aux Antenna | | | | |
| 6 | 2437 | 0.370 | 0.000 | 0.370 |
| 802.11n - 40MHz SISO | | | | |
| 6 | 2437 | 0.111 | 0.000 | 0.111 |
| 802.11n - 20MHz CDD MCS 0 | | | | |
| 6 | 2437 | 0.425 | 0.000 | 0.425 |
| 802.11n - 40MHz SDM MCS 15 | | | | |
| 6 | 2437 | 0.112 | 0.000 | 0.112 |

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 Broadcom WLAN/Bluetooth combination card FCC ID: QDS-BRCM1027
- 5) 20 MHz SISO mode was skipped because it is covered by the g mode legacy testing results.
- 6) G mode legacy CDD mode was skipped because it is covered by the g mode legacy results.
- 7) N mode 40 MHz CDD mode was skipped because it is covered by the n mode 20MHz CDD results.

8.2 5.2 GHZ BAND (5.15 – 5.25GHZ) – LAP HELD POSITION

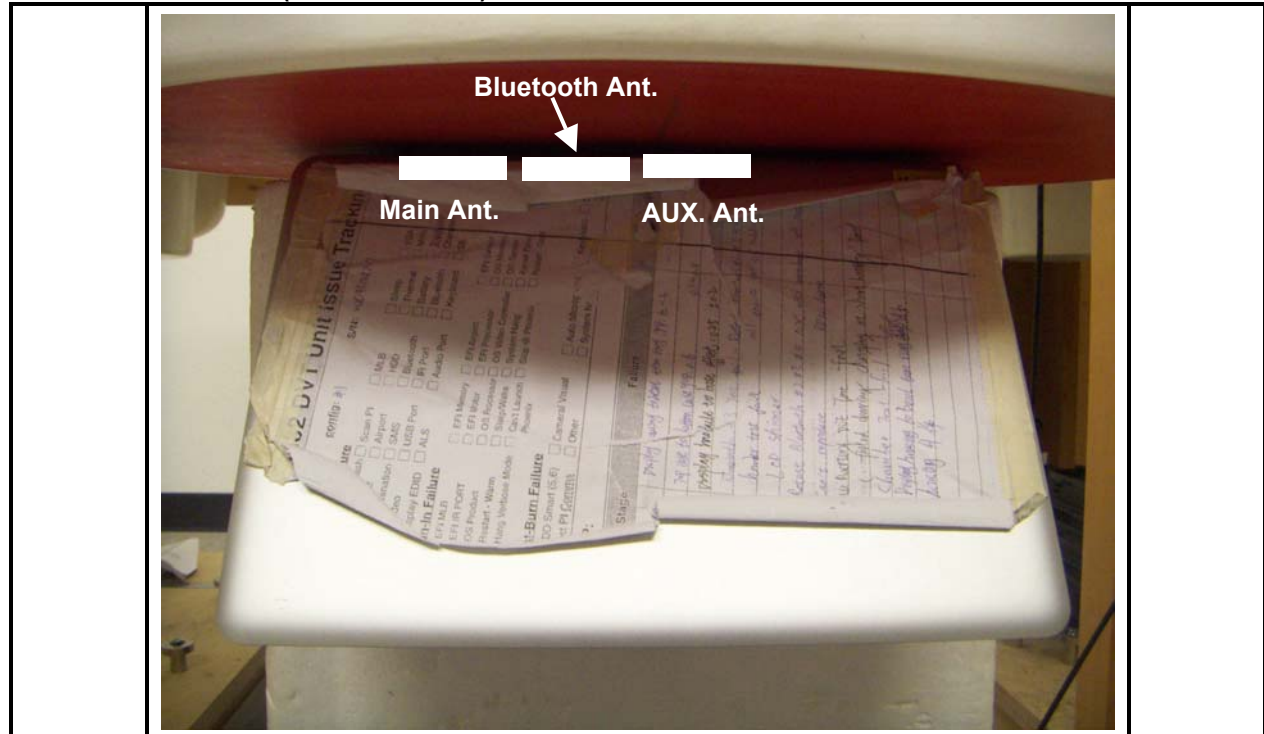


| 802.11a 5.2 GHz Legacy Mode - Main Antenna | | | | |
|---|---------|---------------------------|---------------------|---|
| Channel | f (MHz) | Measured SAR 1g (mW/g) | Power Drift (dB) | Extrapolated ¹⁾ SAR 1g (mW/g) |
| 44 | 5220 | 0.536 | -0.104 | 0.549 |
| 44 ⁴⁾ | 5220 | 0.573 | -0.108 | 0.587 |
| 802.11a 5.2 GHz Legacy Mode - Aux Antenna | | | | |
| 44 | 5220 | 0.285 | 0.000 | 0.285 |
| 802.11n 5.2 GHz SISO 40MHz | | | | |
| 46 | 5230 | 0.341 | -0.135 | 0.352 |
| 802.11n 5.2 GHz MIMO 40MHz | | | | |
| 46 | 5230 | 0.396 | 0.000 | 0.396 |

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 Broadcom WLAN/Bluetooth combination card FCC ID: QDS-BRCM1027**
- 5) **20MHz SISO mode was skipped because it is covered by the legacy results.**
- 6) **MIMO 20MHz CDD mode was skipped because it is covered by the MIMO 40MHz CDD results.**

8.3 5.3 GHZ BAND (5.25 – 5.35GHZ) – LAP HELD POSITION

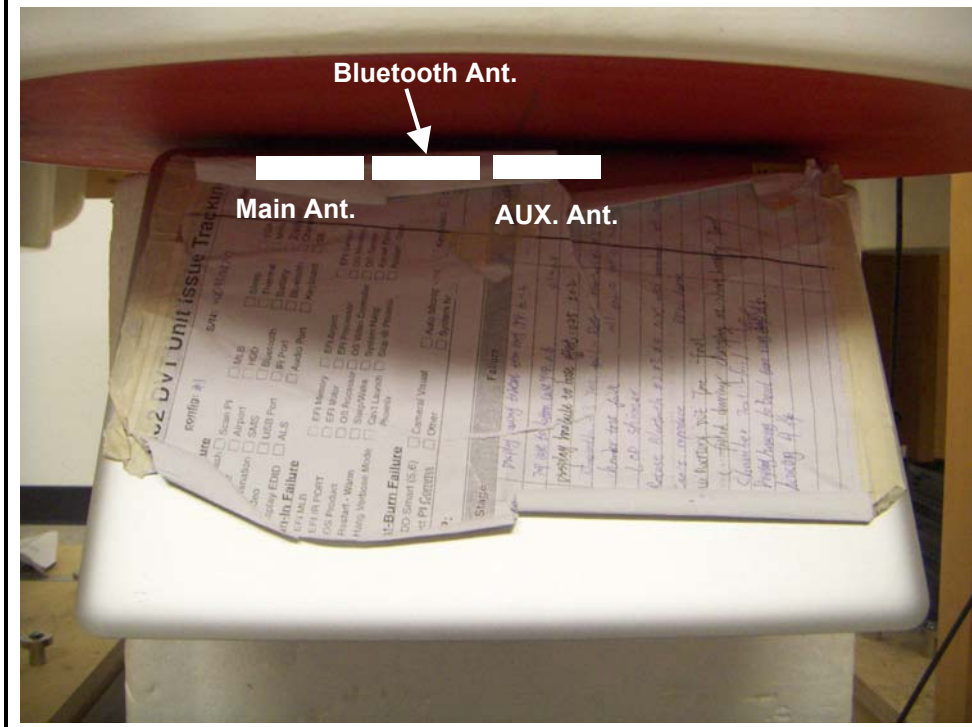


| 802.11a 5.2 GHz Legacy Mode - Main Antenna | | | | |
|---|---------|---------------------------|---------------------|---|
| Channel | f (MHz) | Measured SAR 1g (mW/g) | Power Drift (dB) | Extrapolated ¹⁾ SAR 1g (mW/g) |
| 60 | 5300 | 0.497 | 0.000 | 0.497 |
| 60 ⁴⁾ | 5300 | 0.565 | 0.000 | 0.565 |
| 802.11n 5.2 GHz SISO 40MHz | | | | |
| 54 | 5270 | 0.337 | 0.000 | 0.337 |
| 802.11n 5.2 GHz MIMO 20MHz | | | | |
| 60 | 5300 | 0.303 | 0.000 | 0.303 |

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 Broadcom WLAN/Bluetooth combination card FCC ID: QDS-BRCM1027**
- 5) **20MHz SISO mode was skipped because it is covered by the legacy results.**
- 6) **MIMO 40MHz CDD mode was skipped because it is covered by results to MIMO 20 MHz CDD.**

8.4 5.5 GHZ BAND (5.470 – 5.725GHZ) – LAP HELD POSITION

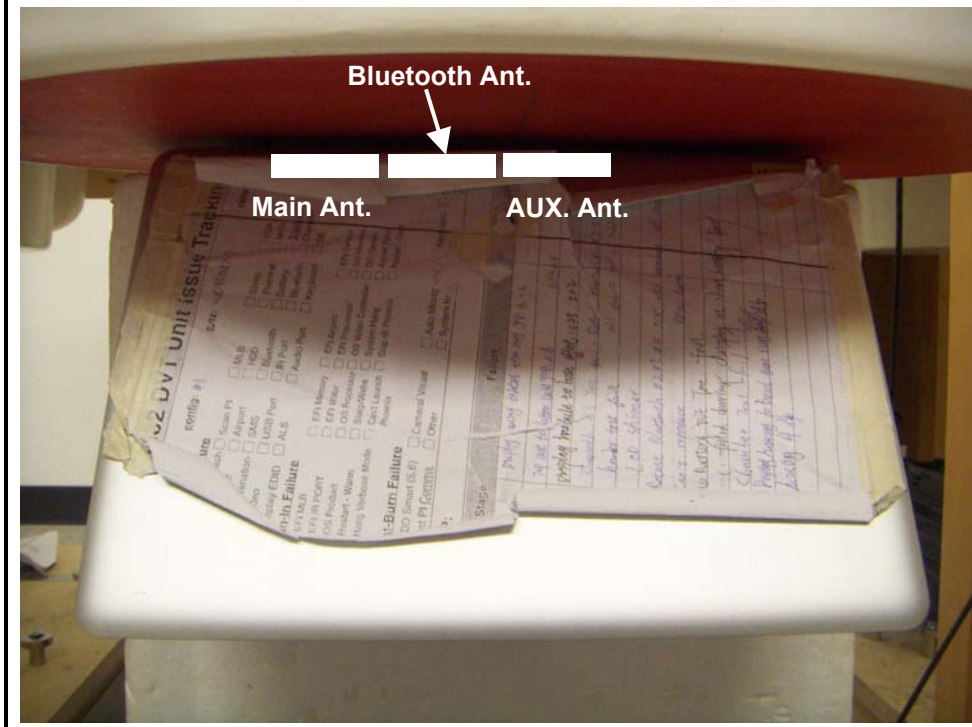


| Channel | f (MHz) | Measured SAR 1g (mW/g) | Power Drift (dB) | Extrapolated ¹⁾ SAR 1g (mW/g) |
|---|---------|---------------------------|---------------------|---|
| 802.11a 5.5 GHz Legacy Mode - Main Antenna | | | | |
| 120 | 5600 | 0.680 | 0.000 | 0.680 |
| 802.11a 5.5 GHz Legacy Mode - Aux Antenna | | | | |
| 120 | 5600 | 0.443 | 0.000 | 0.443 |
| 802.11n 5.5 GHz SISO 40MHz | | | | |
| 118 | 5590 | 0.418 | 0.000 | 0.418 |
| 802.11n 5.5 GHz MIMO 40MHz | | | | |
| 118 | 5590 | 0.761 | 0.000 | 0.761 |
| 118 ⁴⁾ | 5590 | 0.764 | 0.000 | 0.764 |

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 Broadcom WLAN/Bluetooth combination card FCC ID: QDS-BRCM1027**
- 5) **20MHz SISO mode was skipped because it is covered by the legacy results.**
- 6) **MIMO 20MHz CDD mode was skipped due to lower power compared to MIMO 40 MHz CDD.**

8.5 5.8 GHZ BAND (5.725 – 5.825GHZ) – LAP HELD POSITION



| Channel | f (MHz) | Measured SAR 1g (mW/g) | Power Drift (dB) | Extrapolated ¹⁾ SAR 1g (mW/g) |
|---|---------|---------------------------|---------------------|---|
| 802.11a 5.8 GHz Legacy Mode - Main Antenna | | | | |
| 157 | 5785 | 0.654 | 0.000 | 0.654 |
| 802.11a 5.8 GHz Legacy Mode - Aux Antenna | | | | |
| 157 | 5785 | 0.368 | 0.000 | 0.368 |
| 802.11n 5.8 GHz SISO 40MHz | | | | |
| 159 | 5795 | 0.588 | 0.000 | 0.588 |
| 802.11n 5.8 GHz MIMO 40MHz | | | | |
| 159 | 5795 | 0.714 | 0.000 | 0.714 |
| 159 ⁴⁾ | 5795 | 0.791 | 0.000 | 0.791 |

Notes:

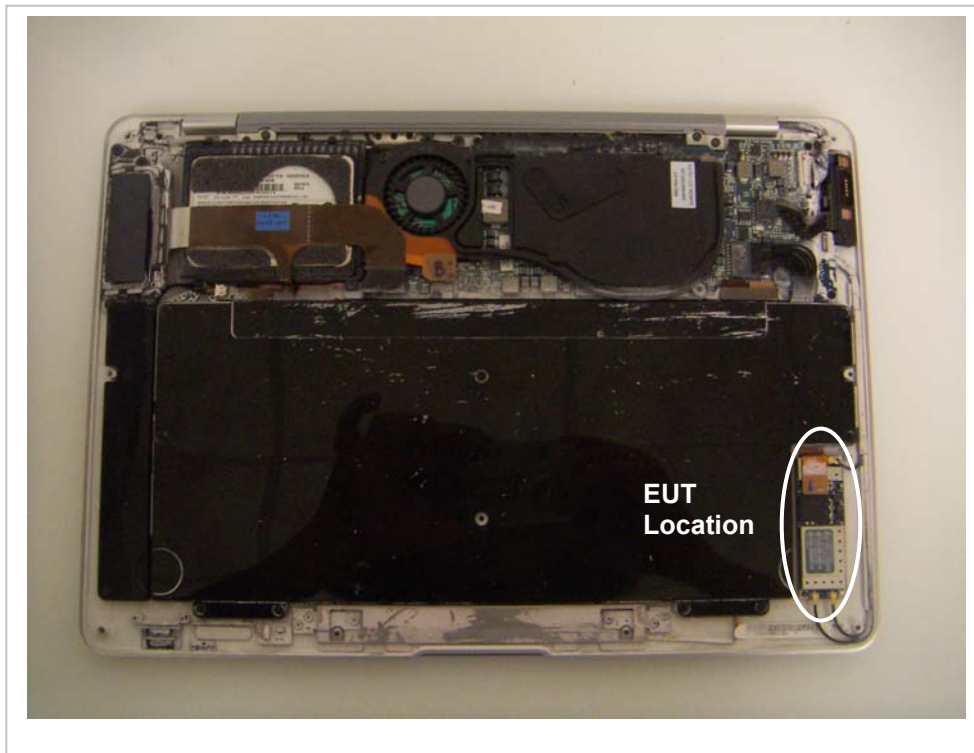
- 1) The exact method of extrapolation is $\text{Measured SAR} \times 10^{(-\text{drift}/10)}$. The SAR reported at the end of the measurement process by the DASY4 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the 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 Broadcom WLAN/Bluetooth combination card FCC ID: QDS-BRCM1027**
- 5) **20MHz SISO mode was skipped because it is covered by the legacy results.**
- 6) **MIMO 20MHz CDD mode was skipped because it is covered by the MIMO 40 MHz CDD.**

11 PHOTOS

EUT



EUT Location



Antenna Location

