

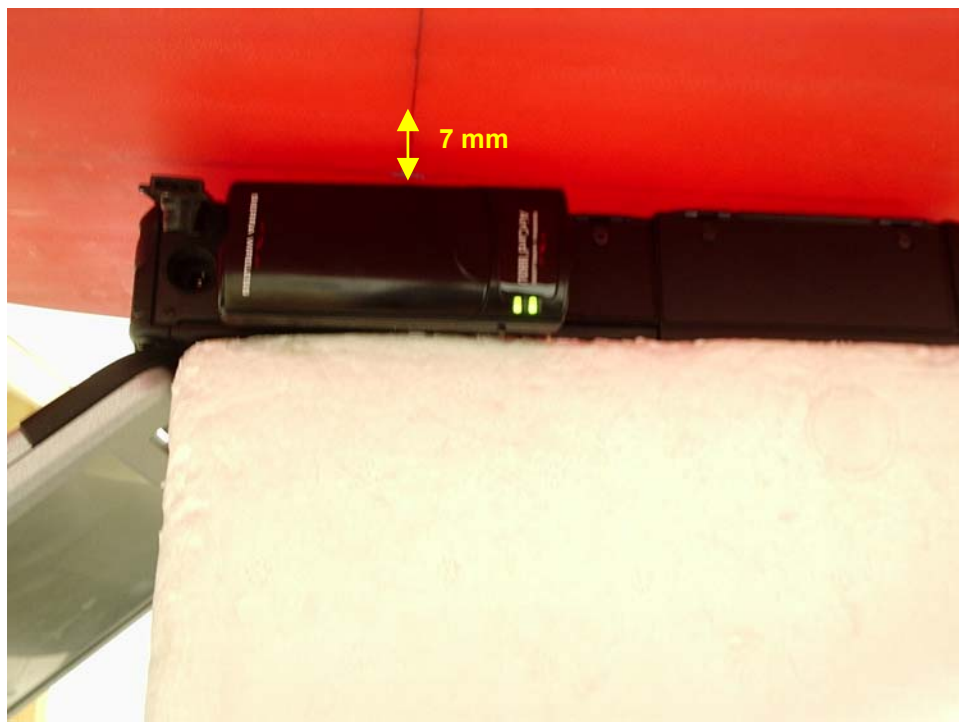
8 SAR MEASUREMENT RESULTS

8.1 CELL BAND

The following modes were chosen based on conducted output power measurement results and previous CCS project # 07U11027.

8.1.1 PANASONIC CF-29

8.1.1.1 POSITION 1



GPRS 2 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
128	824.20	0.502	0.000	0.502
192	837.00			
251	848.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
4132	826.40	0.262	-0.087	0.267
4182	836.40			
4233	846.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.1.2 POSITION 2



GPRS 2 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20			
192	837.00	0.554	0.000	0.554
251	848.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
4132	826.40			
4182	836.40	0.425	0.000	0.425
4233	846.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.2 TOSHIBA SATELLITE

8.1.2.1 VERTICAL

The WCDMA mode was skipped due to low SAR values.



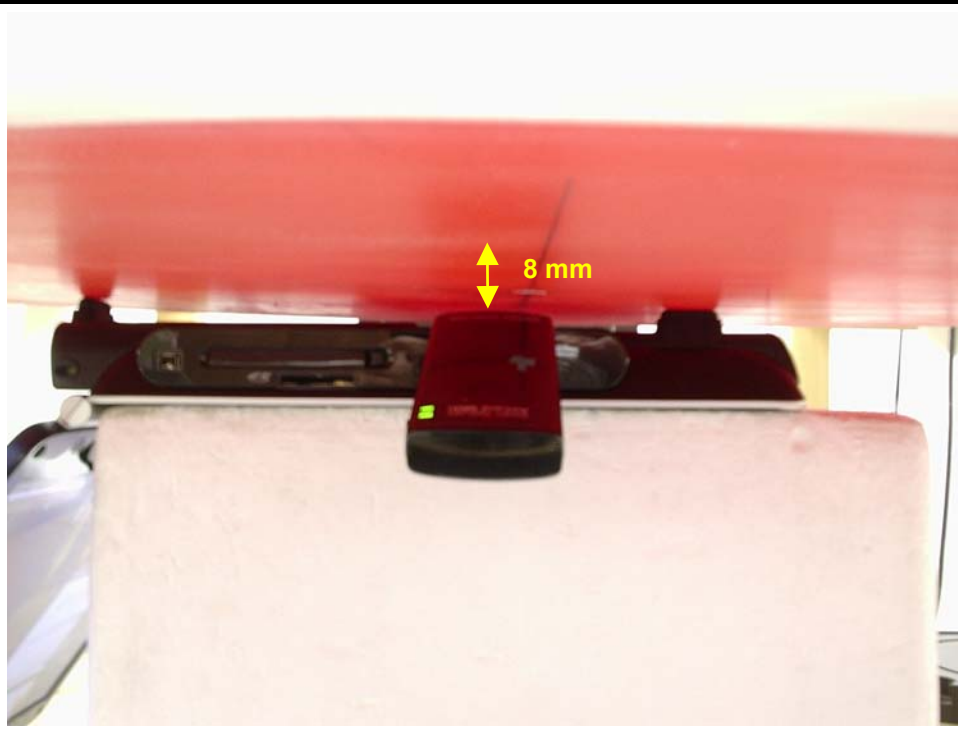
GPRS 2 Slots

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20	0.111	0.000	0.111
192	837.00			
251	848.80			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.2.2 HORIZONTAL



GPRS 2 Slots

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20			
192	837.00	0.562	0.000	0.562
251	848.80			

WCDMA

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
4132	826.40			
4182	836.40	0.198	-0.042	0.200
4233	846.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.3 COMPAQ PRESARIO

8.1.3.1 VERTICAL

WCDMA mode was skipped due to significantly lower output power

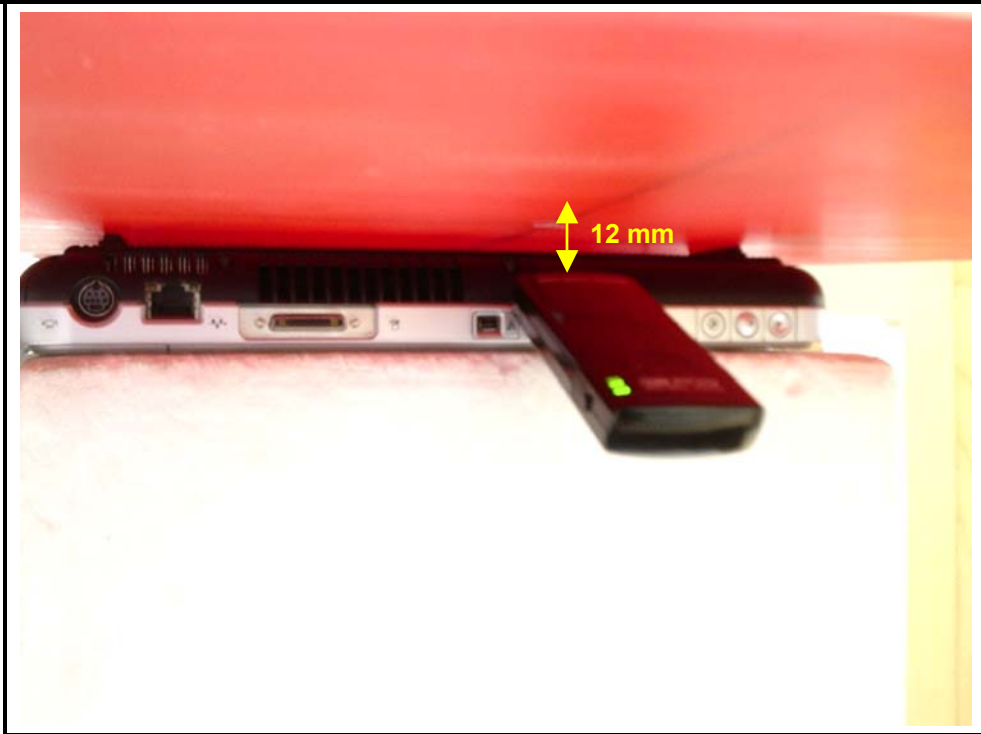


GPRS 2 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
128	824.20	0.015	0.000	0.015
192	837.00			
251	848.80			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.3.2 HORIZONTAL



GPRS 2 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20	0.243	-0.091	0.248
192	837.00			
251	848.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
4132	826.40	0.150	-0.074	0.153
4182	836.40			
4233	846.60			

Notes:

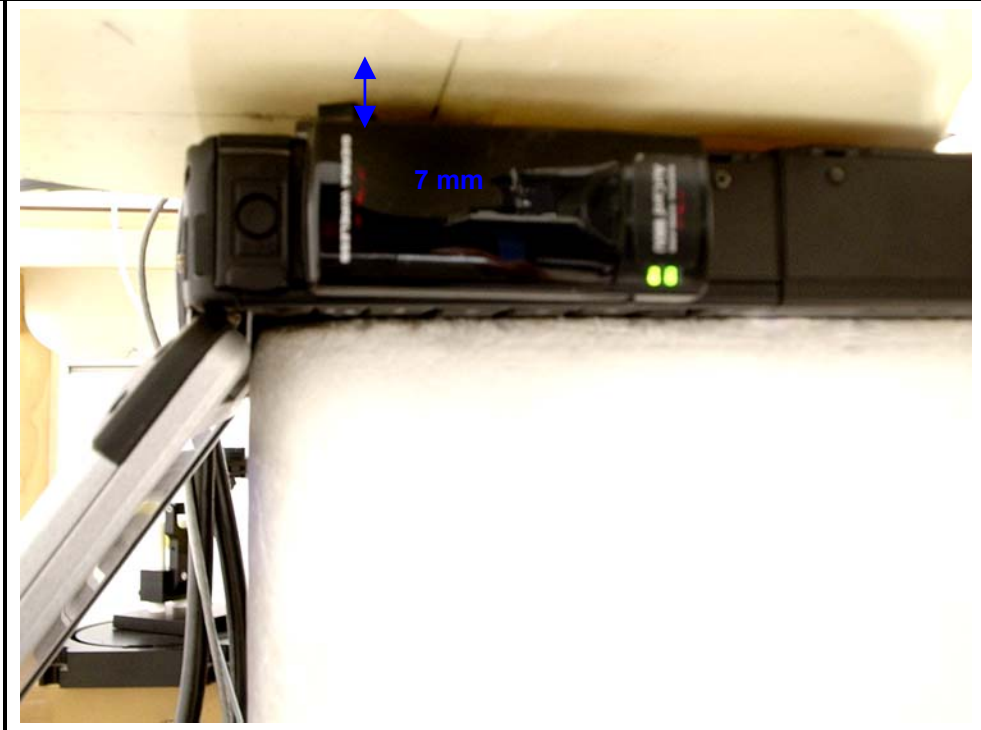
- 1) The exact method of extrapolation is $\text{Measured SAR} \times 10^{(-\text{drift}/10)}$. The SAR reported at the end of the measurement process by the DASY4 system can be scaled up by the Power drift to determine the SAR at the beginning of the measurement process.
- 2) The SAR measured at the 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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2 PCS BAND

The following modes were chosen based on conducted output power measurement results and previous CCS project # 07U11027.

8.2.1 PANASONIC CF-29

8.2.1.1 POSITION 1

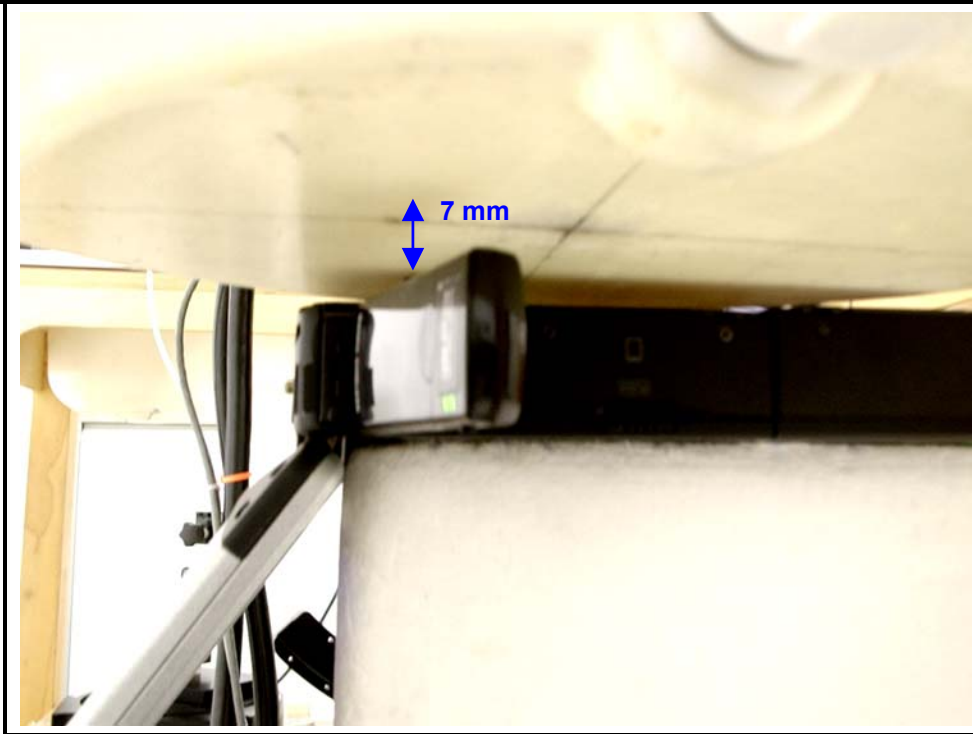


GPRS 4 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
512	1850.20			
661	1880.00	0.738	0.000	0.738
810	1909.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
9262	1852.40			
9400	1880.00	0.437	0.000	0.437
9538	1907.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.1.2 POSITION 2



GPRS 4 Slots

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512	1850.20	0.652	0.000	0.652
661	1880.00			
810	1909.80			

WCDMA

Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
9262	1852.40	0.371	0.000	0.371
9400	1880.00			
9538	1907.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.2 TOSHIBA SATELLITE

8.2.2.1 VERTICAL



GPRS 4 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
512	1850.20	0.159	0.000	0.159
661	1880.00			
810	1909.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
9262	1852.40	0.107	0.000	0.107
9400	1880.00			
9538	1907.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.2.2 HORIZONTAL



GPRS 4 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512	1850.20	0.470	0.000	0.470
661	1880.00			
810	1909.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
9262	1852.40	0.288	0.000	0.288
9400	1880.00			
9538	1907.60			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.3 COMPAQ PRESARIO

8.2.3.1 VERTICAL

WCDMA mode in the following position was skipped due to low SAR values.

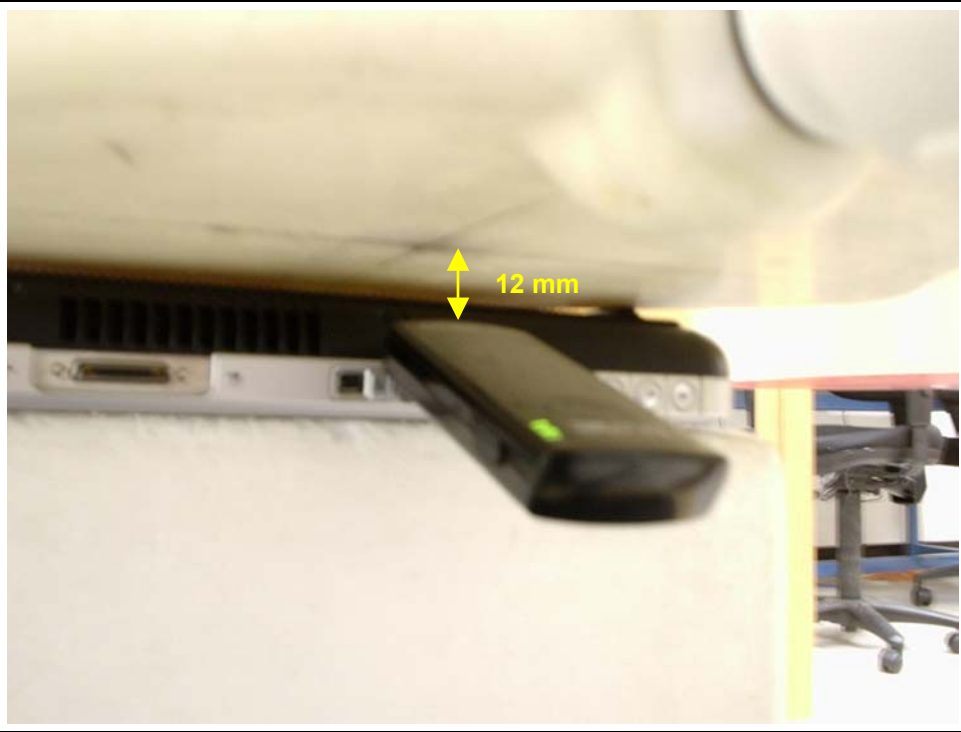


GPRS 4 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated¹⁾ SAR 1g (mW/g)
512	1850.20	0.052	0.000	0.052
661	1880.00			
810	1909.80			

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) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 4) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.3.2 HORIZONTAL



GPRS 4 Slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512	1850.20	0.375	0.000	0.375
661	1880.00			
810	1909.80			
WCDMA				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
9262	1852.40	0.233	0.000	0.233
9400	1880.00			
9538	1907.60			

Notes:

- 5) 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.
- 6) 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.
- 7) The battery was fully charged in accordance with manufacture's instructions prior to SAR measurements.
- 8) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

11 PHOTOS

EUT



Host Device - Compaq



Host Device – Panasonic



Host Device - Toshiba

