8 SAR MEASURMENT RESULTS

8.1 CELL BAND

8.1.1 SONY

8.1.1.1 GPRS 1-4 SLOTS

			nm.	
GPRS Single	slot			
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128 192 251	824.20 837.00 848.80	0.599	0.000	0.599
GPRS 2 slots		-		
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20	1.120	-0.001	1.120
192	837.00	1.140	-0.210	1.196
251	848.80	1.110	0.000	1.110
GPRS 3 slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20	0.846	0.000	0.846
192	837.00	0.848	-0.081	0.864
251	848.80	0.817	-0.002	0.817
GPRS 4 slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20			
	837.00	0.574	0.000	0.574

The exact method of extrapolation is Measured SAR x 10^(-drift/10). The SAR reported at the end of the measured 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) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.1.2 EGPRS, WCDMA & WCDMA + HSDPA

.				
EGPRS 4 slo	ts			
EGPRS 4 slo Channel	ts f (MHz)	Measured SAR		Extrapolated ¹⁾ SAR
		Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
Channel	f (MHz)			
Channel 128	f (MHz) 824.20	1g (mW/g)	(dB)	1g (mW/g)
Channel 128 192	f (MHz) 824.20 837.00 848.80	1g (mW/g) 0.580	(dB) -0.018	1g (mW/g)
Channel 128 192 251 WCDMA 12.2 Channel	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz)	1g (mW/g)	(dB) -0.018	1g (mW/g)
Channel 128 192 251 WCDMA 12.2 Channel 4132	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40	1g (mW/g) 0.580 Measured SAR 1g (mW/g)	(dB) -0.018 Power Drift (dB)	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR 1g (mW/g)
Channel 128 192 251 WCDMA 12.2 Channel 4132 4182	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40 836.40	1g (mW/g) 0.580 Measured SAR	(dB) -0.018 Power Drift	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR
Channel 128 192 251 WCDMA 12.2 Channel 4132 4182 4233	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40 836.40 846.60	1g (mW/g) 0.580 Measured SAR 1g (mW/g) 0.483	(dB) -0.018 Power Drift (dB)	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR 1g (mW/g)
Channel 128 192 251 WCDMA 12.2 Channel 4132 4182 4233 WCDMA 12.2	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40 836.40 846.60 2k RMC + H	1g (mW/g) 0.580 Measured SAR 1g (mW/g) 0.483	(dB) -0.018 Power Drift (dB)	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR 1g (mW/g)
Channel 128 192 251 WCDMA 12.2 Channel 4132 4182 4233 WCDMA 12.2 4132	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40 836.40 846.60 2k RMC + H 826.40	1g (mW/g) 0.580 Measured SAR 1g (mW/g) 0.483 SDPA	(dB) -0.018 Power Drift (dB) -0.171	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR 1g (mW/g) 0.502
Channel 128 192 251 WCDMA 12.2 Channel 4132 4182 4233 WCDMA 12.2	f (MHz) 824.20 837.00 848.80 2k RMC f (MHz) 826.40 836.40 846.60 2k RMC + H	1g (mW/g) 0.580 Measured SAR 1g (mW/g) 0.483	(dB) -0.018 Power Drift (dB)	1g (mW/g) 0.582 Extrapolated ¹⁾ SAR 1g (mW/g)

2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.1.2 HP

1	IGPRS 2 SIDIS					
	GPRS 2 slots Channel	f (MHz)	Measured SAR 1a (mW/a)		Extrapolated ¹⁾ SAR 1q (mW/q)	2
		f (MHz) 824.20	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)	R
	Channel 128 192	824.20 837.00				R
	Channel 128 192 251	824.20 837.00 848.80	1g (mW/g) 0.673	(dB)	1g (mW/g)	
	Channel 128 192	824.20 837.00 848.80	1g (mW/g) 0.673	(dB) -0.061	1g (mW/g) 0.683	
	Channel 128 192 251	824.20 837.00 848.80	1g (mW/g) 0.673	(dB) -0.061	1g (mW/g)	
	Channel 128 192 251 WCDMA 12.2	824.20 837.00 848.80 2k RMC + H	1g (mW/g) 0.673 S <i>DPA</i> Measured SAR	(dB) -0.061 Power Drift	1g (mW/g) 0.683 Extrapolated ¹⁾ SAR	
	Channel 128 192 251 WCDMA 12.2 Channel	824.20 837.00 848.80 2k RMC + H f (MHz)	1g (mW/g) 0.673 S <i>DPA</i> Measured SAR	(dB) -0.061 Power Drift	1g (mW/g) 0.683 Extrapolated ¹⁾ SAR	
	Channel 128 192 251	824.20 837.00 848.80	1g (mW/g) 0.673 SDPA	(dB) -0.061	1g (mW/g) 0.683	

8.1.3 COMPAQ

				19 mm		
	GPRS 2 slots Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)	
	128	824.20	ig (mvv/g)	(UD)	ig (mw/g)	
	192	837.00	0.558	-0.068	0.567	
	251	848.80	0.000	0.000		
	WCDMA 12.2		SDPA			
	Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)	
	4132	826.40	0, 3/		0.0/	
	4182	836.40	0.273	-0.153	0.283	
	4233	846.60				
pro me	ecess by the DASY asurement process	extrapolation is 4 system can b 5.	e scaled up by the Pov	wer drift to determine	R reported at the end of the m ne the SAR at the beginning o the maximum SAR location o	f the

8.2 PCS BAND

8.2.1 SONY

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5				
1				
GPRS 4 slots			Dannan Duiff	Extrapolated ¹⁾ SAR
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	1g (mW/g)
Channel 512	1850.20	1g (mW/g)	(dB)	1g (mW/g)
Channel 512 661	1850.20 1880.00			
Channel 512	1850.20 1880.00 1909.80	1g (mW/g)	(dB)	1g (mW/g) 0.726
Channel 512 661 810	1850.20 1880.00 1909.80	1g (mW/g) 0.719 Measured SAR	(dB) -0.040 Power Drift	1g (mW/g) 0.726 Extrapolated ¹⁾ SAR
Channel 512 661 810 WCDMA 12.2 Channel 9262	1850.20 1880.00 1909.80 <i>K RMC</i> f (MHz) 1852.40	1g (mW/g) 0.719 Measured SAR 1g (mW/g)	(dB) -0.040 Power Drift (dB)	1g (mW/g) 0.726 Extrapolated ¹⁾ SAR 1g (mW/g)
Channel 512 661 810 WCDMA 12.2 Channel	1850.20 1880.00 1909.80 <i>K RMC</i> f (MHz)	1g (mW/g) 0.719 Measured SAR	(dB) -0.040 Power Drift	1g (mW/g) 0.726 Extrapolated ¹⁾ SAR

2) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

8.2.2 HP

8.2.2.1 GPRS 1-4 SLOTS

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	1		K	
	ð 1			
GPRS single	slot			
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512 661 810	1850.20 1880.00 1909.80	0.273	0.000	0.273
GPRS 2 slots				
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512 661 810	1850.20 1880.00 1909.80	0.533	0.000	0.533
GPRS 3 slots	;			
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
512 661 810	1850.20 1880.00 1909.80	0.705	-0.026	0.709
GPRS 4 SIOIS		Measured SAR		
<u>GPRS 4 slots</u> Channel	f (MHz)	1g (mW/g)	(dB)	1g (mW/g)

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) Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

EGPRS, WCDMA & WCDMA + HSDPA 8.2.2.2

		0	0	
-				
EGPRS 4 slo	ts			
		Measured SAR	Power Drift	Extrapolated ¹⁾ SAR
Channel	f (MHz)			
Channel	f (MHz)	1g (mW/g)	(dB)	1g (mW/g)
512	1850.20			
512 661	1850.20 1880.00	1g (mW/g) 0.561	(dB) -0.030	1g (mW/g) 0.565
512 661 810	1850.20 1880.00 1909.80			
512 661 810 WCDMA 12.2	1850.20 1880.00 1909.80 K RMC	0.561	-0.030	0.565
512 661 810	1850.20 1880.00 1909.80	0.561 Measured SAR	-0.030 Power Drift	0.565 Extrapolated ¹⁾ SAR
512 661 810 WCDMA 12.2	1850.20 1880.00 1909.80 K RMC	0.561	-0.030	0.565
512 661 810 WCDMA 12.2 Channel	1850.20 1880.00 1909.80 <i>K RMC</i> f (MHz)	0.561 Measured SAR	-0.030 Power Drift	0.565 Extrapolated ¹⁾ SAR
512 661 810 WCDMA 12.2 Channel 9262 9400 9538	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60	0.561 Measured SAR 1g (mW/g) 0.759	-0.030 Power Drift (dB)	0.565 Extrapolated ¹⁾ SAR 1g (mW/g)
512 661 810 WCDMA 12.2 Channel 9262 9400	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60	0.561 Measured SAR 1g (mW/g) 0.759 DPA	-0.030 Power Drift (dB) 0.000	0.565 Extrapolated ¹⁾ SAR 1g (mW/g) 0.759
512 661 810 WCDMA 12.2 Channel 9262 9400 9538	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60	0.561 Measured SAR 1g (mW/g) 0.759	-0.030 Power Drift (dB)	0.565 Extrapolated ¹⁾ SAR 1g (mW/g)
512 661 810 WCDMA 12.2 Channel 9262 9400 9538 WCDMA 12.2	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60 K RMC + HS	0.561 Measured SAR 1g (mW/g) 0.759 DPA Measured SAR	-0.030 Power Drift (dB) 0.000 Power Drift	0.565 Extrapolated ¹⁾ SAR 1g (mW/g) 0.759 Extrapolated ¹⁾ SAR
512 661 810 WCDMA 12.2 Channel 9262 9400 9538 WCDMA 12.2 Channel	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60 K RMC + HS f (MHz)	0.561 Measured SAR 1g (mW/g) 0.759 DPA Measured SAR	-0.030 Power Drift (dB) 0.000 Power Drift	0.565 Extrapolated ¹⁾ SAR 1g (mW/g) 0.759 Extrapolated ¹⁾ SAR
512 661 810 WCDMA 12.2 Channel 9262 9400 9538 WCDMA 12.2 Channel 9262	1850.20 1880.00 1909.80 K RMC f (MHz) 1852.40 1880.00 1907.60 K RMC + HS f (MHz) 1852.40	0.561 Measured SAR 1g (mW/g) 0.759 DPA Measured SAR 1g (mW/g)	-0.030 Power Drift (dB) 0.000 Power Drift (dB)	0.565 Extrapolated ¹⁾ SAR 1g (mW/g) 0.759 Extrapolated ¹⁾ SAR 1g (mW/g)

8.2.3 COMPAQ

GPRS 4 slots		Management CAD	Doutor Driff	
<i>GPRS 4 slots</i> Channel	f (MHz)	Measured SAR 1q (mW/q)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
		Measured SAR 1g (mW/g) 1.240	Power Drift (dB) -0.174	Extrapolated ¹⁾ SAR 1g (mW/g) 1.291
Channel	f (MHz)	1g (mW/g)	(dB)	1g (mW/g)
Channel 512 661 810	f (MHz) 1850.20 1880.00 1909.80	1g (mW/g) 1.240	(dB) -0.174	<u>1g (mW/g)</u> 1.291
Channel 512 661	f (MHz) 1850.20 1880.00 1909.80	1g (mW/g) 1.240 0.941	(dB) -0.174 -0.145	1g (mW/g) 1.291 0.973
Channel 512 661 810	f (MHz) 1850.20 1880.00 1909.80	1g (mW/g) 1.240 0.941	(dB) -0.174 -0.145	1g (mW/g) 1.291 0.973
Channel 512 661 810 WCDMA 12.2	f (MHz) 1850.20 1880.00 1909.80 K RMC	1g (mW/g) 1.240 0.941 0.853 Measured SAR	(dB) -0.174 -0.145 -0.068 Power Drift	1g (mW/g) 1.291 0.973 0.867 Extrapolated ¹⁾ SAR
Channel 512 661 810 WCDMA 12.2 Channel	f (MHz) 1850.20 1880.00 1909.80 K RMC f (MHz)	1g (mW/g) 1.240 0.941 0.853 Measured SAR	(dB) -0.174 -0.145 -0.068 Power Drift	1g (mW/g) 1.291 0.973 0.867 Extrapolated ¹⁾ SAR

11 PHOTOS

DUT





Sony Vaio PCG-V505D1p





HP Compaq NC6400





Compaq Presario R3000



