9 SAR MEASURMENT RESULTS

9.1 CELL BAND

9.1.1 PRIMARY LANDSCAPE

This position is skipped since SAR values are too low.



9.1.2 SECONDARY LANDSCAPE

WWAN at this position is disabled.



9.1.3 PRIMARY PORTRAIT

				N Antenna —		
	GPRS 2 slots			D D <i>i i i</i>		
	Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹ / SAR 1g (mW/g)	
	128	824.20				
	192	837.00	0.018	-0.170	0.019	
	251 MCDMA 12 24	848.80				
	Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)	
	4132	826.40				
	4182	836.40	0.015	0.000	0.015	
	4233	846.60	J			
Notes: 1) The pro- me	e exact method of o pcess by the DASY easurement process	extrapolation is 4 system can b s.	Measured SAR x 10 [^] (e scaled up by the Pov	-drift/10). The SAF wer drift to determin	R reported at the end of the m ne the SAR at the beginning c	leasurement of the

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.

9.1.4 SECONDARY PORTRAIT

٦	-	· WWAN Antenn	a	
			• • • •	
CPPS 2 slots	-			
GPRS 2 slots Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR
GPRS 2 slots Channel 128	f (MHz) 824.20	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 2 slots Channel 128 192	f (MHz) 824.20 837.00	Measured SAR 1g (mW/g) 0.154	Power Drift (dB) 0.000	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154
GPRS 2 slots Channel 128 192 251	f (MHz) 824.20 837.00 848.80	Measured SAR 1g (mW/g) 0.154	Power Drift (dB) 0.000	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154
GPRS 2 slots Channel 128 192 251 WCDMA 12.2	f (MHz) 824.20 837.00 848.80 ¢ RMC	Measured SAR 1g (mW/g) 0.154	Power Drift (dB) 0.000	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154
GPRS 2 slots Channel 128 192 251 WCDMA 12.21 Channel	f (MHz) 824.20 837.00 848.80 k RMC f (MHz)	Measured SAR 1g (mW/g) 0.154 Measured SAR 1g (mW/g)	Power Drift (dB) 0.000 Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154 Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 2 slots Channel 128 192 251 WCDMA 12.2 Channel 4132	f (MHz) 824.20 837.00 848.80 k RMC f (MHz) 826.40	Measured SAR 1g (mW/g) 0.154 Measured SAR 1g (mW/g)	Power Drift (dB) 0.000 Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154 Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 2 slots Channel 128 192 251 WCDMA 12.21 Channel 4132 4182	f (MHz) 824.20 837.00 848.80 k RMC f (MHz) 826.40 836.40	Measured SAR 1g (mW/g) 0.154 Measured SAR 1g (mW/g) 0.114	Power Drift (dB) 0.000 Power Drift (dB) 0.000	Extrapolated ¹⁾ SAR 1g (mW/g) 0.154 Extrapolated ¹⁾ SAR 1g (mW/g) 0.114

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.

9.1.5 LAP HELD

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		and the second	WWAN Ante	enna
1				
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	0.181	-0.131	0.187
251	848.80		, , <u>, , , , , , , , , , , , , , , , , </u>	
192 7	837.00	0.181	-0.110	0.186
EGPRS 4 slot	:s			
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
128	824.20			
192	837.00	0.094	0.000	0.094
251	848.80			
WCDMA 12.2	k RMC			
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
4132	826.40			
4182	836.40	0.168	-0.139	0.173
4233	846.60			
WCDMA 12.2	k RMC + HS	DPA		
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
4132	826.40			
	836 40	0.162	-0.079	0.165
4182	000.10	-		

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.

9.2 PCS BAND

9.2.1 PRIMARY LANDSCAPE

This position is skipped since SAR values are too low.



9.2.2 SECONDARY LANDSCAPE

WWAN at this position is disabled.



9.2.3 PRIMARY PORTRAIT



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

9.2.4 SECONDARY PORTRAIT

		WWAN	Antenna	
GPRS 4 slots Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAF 1g (mW/g)
512 661 810	1850.20 1880.00 1909.80	0.457	0.000	0.457
661 ³⁾	1880.00	0.442	-0.157	0.458
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAF 1q (mW/q)
512 661 810	1850.20 1880.00 1909.80	0.193	-0.097	0.197
WCDMA 12.2	RMC			
Channel	f (MHz)	Measured SAR 1q (mW/q)	Power Drift (dB)	Extrapolated ¹⁾ SAF 1q (mW/q)
9262 9400 9538	1852.40 1880.00 1907.60	0.324	0.000	0.324
WCDMA 384k	RMC			1)
Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated'/ SAF
9262 9400 9538	1852.40 1880.00 1907.60	0.317	-0.001	0.317
WCDMA 12.2	<u>k RMC + HSL</u>	DPA	Deurer Drift	
Channel	f (MHz)	1g (mW/g)	(dB)	Extrapolated '' SAF
9262 9400 9538	1852.40 1880.00 1907.60	0.308	0.000	0.308

սի ոչ measurement process.

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 2) mW/g), thus testing at low & high channel is optional. Collocation with Bluetooth module.

3)

9.2.5 LAP HELD

			WWA	N Antenna
GPRS 4 slots	5 5	Measured SAR	Power Drift	Extrapolated ¹⁾ SAR
GPRS 4 slots Channel	f (MHz)	Measured SAR 1g (mW/g)	Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 4 slots Channel 512 661	f (MHz) 1850.20 1880.00	Measured SAR 1g (mW/g) 0.306	Power Drift (dB) -0.071	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311
GPRS 4 slots Channel 512 661 810	f (MHz) 1850.20 1880.00 1909.80	Measured SAR 1g (mW/g) 0.306	Power Drift (dB) -0.071	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311
GPRS 4 slots Channel 512 661 810 WCDMA 12.2	f (MHz) 1850.20 1880.00 1909.80 k RMC	Measured SAR 1g (mW/g) 0.306	Power Drift (dB) -0.071	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311
GPRS 4 slots Channel 512 661 810 WCDMA 12.2 Channel	f (MHz) 1850.20 1880.00 1909.80 k RMC f (MHz)	Measured SAR 1g (mW/g) 0.306 Measured SAR 1g (mW/g)	Power Drift (dB) -0.071 Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311 Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 4 slots Channel 512 661 810 WCDMA 12.2 Channel 9262	f (MHz) 1850.20 1880.00 1909.80 k RMC f (MHz) 1852.40	Measured SAR 1g (mW/g) 0.306 Measured SAR 1g (mW/g)	Power Drift (dB) -0.071 Power Drift (dB)	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311 Extrapolated ¹⁾ SAR 1g (mW/g)
GPRS 4 slots Channel 512 661 810 WCDMA 12.2 Channel 9262 9400	f (MHz) 1850.20 1880.00 1909.80 k RMC f (MHz) 1852.40 1880.00	Measured SAR 1g (mW/g) 0.306 Measured SAR 1g (mW/g) 0.203	Power Drift (dB) -0.071 Power Drift (dB) 0.000	Extrapolated ¹⁾ SAR 1g (mW/g) 0.311 Extrapolated ¹⁾ SAR 1g (mW/g) 0.203

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 2) mW/g), thus testing at low & high channel is optional. Please see attachments for the detailed measurement data and plots showing the maximum SAR location of the EUT.

3)

12 PHOTOS

DUT











Antenna Location



DUT Location

