

FCC 47 CFR PART 15 SUBPART B TEST REPORT

For

Applicant: Newport Wholesale

11037 warner AVE#201, Fountain Valley, California, United States,

9270

Product Name: GSM Mobile Phone

Model Name: BB2500WT, BB2510WT

Brand Name: MAXWEST

FCC ID: YNFBB2500WT

Report No.: STS110417F1

Date of Issue: April . 29, 2011

Issued by: Shenzhen Super Test Service Technology Co., Ltd.

No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Address:

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1. VERIFICATION OF CONFORMITY

Equipment Under Test: GSM Mobile Phone

Brand Name: MAXWEST

Model Number: BB2500WT

Series Model Name: BB2510WT

Series Model Difference

description:

Only the model name is different.

FCC ID: YNFBB2500WT

Applicant: Newport Wholesale

1037 warner AVE#201, Fountain Valley, California, United States, 92708

Manufacturer: Shenzhen Hotwav Science&Technology Co.,Ltd.

2020 Guoli Building, Huaqiangbei Road, Futian District, Shenzhen, China

Technical Standards: FCC Part 15 B **File Number:** STS110417F1

Date of test: April. 12 ~ April. 29, 2011

Deviation: None
Condition of Test Sample: Normal
Test Result: PASS

The above equipment was tested by Shenzhen Super Test Service Technology Co., Ltd. for compliance with the requirements set forth in FCC Part 15 and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Tested by (+ signature):

Petter Ping April. 29, 2011

Review by (+ signature):

July Wen April. 29, 2011

Approved by (+ signature):

Terry Yang April. 29, 2011

2. GENERAL INFORMATION

2.1 PRODUCT INFORMATION

EUT1- Mobile Phone	
Description:	GSM Mobile Phone
Model Name:	BB2500WT
Serial No.:	BB2510WT
Model Difference description:	Only the model name is different.
IMEI No.:	351504100352505/ 351504100352513
Frequency:	GSM 850MHz/1900MHz
Hardware Version:	A761 V2.0
Software Version:	A761_TSN_V4_L1_256W3_LCD_EY_V02
EUT2- Battery	
Description:	Lithium-ion Battery
Model Name:	BL-5F
Brand Name:	N/A
Manufacturer:	Shenzhen Shenli Energy Sources and Technology Limited Company
Capacitance:	1600 mAh
Rated Voltage:	3.7V
Charge Limit:	4.2V
EUT3 – Power Supply	
Description:	Travel Charger
Model Name:	JM-5Y
Brand Name:	N/A
Manufacturer:	Shenzhen zhentengxing technology Co.,Ltd.
Rated Input:	AC 100-240V, 50/60Hz, 0.1A
Rated Output:	DC 5V, 0.5A
Length of USB cable:	0.9m
Length of adapter cable	0.9m

NOTE:

- 1. The EUT is a model of GSM Portable Mobile Station (MS). It consists of **hand telephone set**, **Lithium battery**, **headphone**, **USB cable** and **Charger** as listed above.
- 2. Please refer to Appendix 2 for the photographs of the EUT. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 OBJECTIVE

Perform FCC Part 15 Subpart B tests for FCC Marking.

2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

EMISSION									
Standard		Item	Result	Remarks					
FCC 47 CFR Part 15 Subpart B	§15.107	Conducted Emission	PASS	Meet Class B limit					
(10-1-05 Edition)	§15.109	Radiated Emission	PASS	Meet Class B limit					

Note:

- 1. The test result judgment is decided by the limit of measurement standard
- 2. The information of measurement uncertainty is available upon the customer's request.

2.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35°C - Humidity: 30-60 %

- Atmospheric pressure: 86-106 kPa

3. TEST FACILITY

Test Site: Most Technology Service Co.,Ltd.

Location: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Shenzhen,

Guangdong ,China

Description: There is one 3m semi-anechoic an area test sites and two line conducted labs for final

test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR

16 requirements. The FCC Registration Number is 490827.

The CNAS Registration Number is CNAS L3573.

Site Filing: The site description is on file with the Federal Communications

Commission, 7435 Oakland Mills Road, Columbia, MD 21046.

Instrument Tolerance: All measuring equipment is in accord with ANSI C63.4:209 and CISPR 16

requirements that meet industry regulatory agency and accreditation agency

requirement.

Ground Plane: Two conductive reference ground planes were used during the Line Conducted

Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna. It has no holes or gaps having longitudinal dimensions larger than one-tenth of a wavelength at the highest frequency of

measurement up to 1GHz.

4. TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at MOST for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

No.	Equipment	Manufacturer	Model No.	S/N	Calibration due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2012/03/14
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2012/03/14
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2012/03/14
4	Terminator	Hubersuhner	50Ω	No.1	2012/03/14
5	RF Cable	SchwarzBeck	N/A	No.1	2012/03/14
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2012/03/14
7	Bilog Antenna	Sunol	JB3	A121206	2012/03/14
8	Test Antenna - Horn	Schwarzbeck	BBHA 9120C		2012/03/14
9	Test Antenna - Bi-Log	Schwarzbeck	VULB 9163		2012/03/14
10	Cable	Resenberger	N/A	NO.1	2012/03/14
11	Cable	SchwarzBeck	N/A	NO.2	2012/03/14
12	Cable	SchwarzBeck	N/A	NO.3	2012/03/14
13	DC Power Filter	DuoJi	DL2×30B	N/A	2012/03/14
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2012/03/14
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2012/03/14
16	Test Receiver	Rohde & Schwarz	ESCI	100492	2012/03/14
17	Absorbing Clamp	Luthi	MDS21	3635	2012/03/14
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2012/03/14
19	AC Power Source	Kikusui	AC40MA	LM003232	2012/03/14
20	Test Analyzer	Kikusui	KHA1000	LM003720	2012/03/14
21	Line Impendence Network	Kikusui	LIN40MA- PCR-L	LM002352	2012/03/14
22	ESD Tester	Kikusui	KES4021	LM003537	2012/03/14
23	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2012/03/14
24	Signal Generator	IFR	2032	203002/100	2012/03/14
25	Amplifier	A&R	150W1000	301584	2012/03/14
26	CDN	FCC	FCC-801-M2-25	47	2012/03/14
27	CDN	FCC	FCC-801-M3-25	107	2012/03/14
28	EM Injection Clamp	FCC	F-203I-23mm	403	2012/03/14
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2012/03/14
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2012/03/14
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2012/03/14

NOTE: Equipments listed above have been calibrated and are in the period of validation.

5. 47 CFR PART 15B REQUIREMENTS

5.1 GENERAL INFORMATION

EUT Function and Test Mode

Mode 1: Idle Mode

The MS was registered to the base station simulator but no call was set up.

The EUT configuration of the emission test was MS + Battery+ Charger.

Mode 2: Call Mode

Before the measurement, the lithium battery was completely discharge.

During the measurement, the lithium battery and the charger were installed, and the MS were in charging state. A communication link was established between the MS and a System Simulator (SS). The MS operated at GSM 850/1900MHz mid ARFCN and maximum output power.

The EUT configuration of the emission test was **MS** + **Battery**+ **Charger**.

Mode 3: GPRS Mode

During the test, the MS was playing the GPRS function continuously.

The EUT configuration of the emission test was **MS** + **Battery**+ **Charger**.

Mode 4: Bluetooth Mode

During the measurement, the lithium battery and the charger were installed, and the MS were in charging state. A communication link was established between the EUT and the Bluetooth Earphone and a System Simulator (SS).

The MS operated at GSM 850/1900MHz mid and maximum output power.

During the test, the MS was playing the Bluetooth function continuously.

The EUT configuration of the emission test was MS + Battery + Charger+BT Earphone.

Mode 5: WIFI Mode

During the test, the MS was playing the WIFI function continuously.

The EUT configuration of the emission test was MS + Battery + Charger.

Mode 6: MP3/MP4 Mode

During the test, the MS was playing the MP3/MP4 function continuously.

The EUT configuration of the emission test was **MS** + **Battery** + **Charger**.

NP-R428-DS0YCN, SN: ZVC093FZ800422X).

Mode 7: Camera Mode

During the test, the MS was playing the camera function continuously.

The EUT configuration of the emission test was **MS** + **Battery**+ **Charger**.

Mode 8: FM Mode

During the test, the MS was playing the FM function continuously.

The EUT configuration of the emission test was MS + Battery + Earphone + Charger.

Mode 9: TV Mode

During the test, the MS was playing the TV function continuously.

The EUT configuration of the emission test was MS + Battery + Earphone + Charger.

Mode 10: USB Mode

During the test, the MS was connected with the notebook and made the data transmission function continuously.

The EUT configuration of the emission test was **MS + Battery+ USB Cable+ Notebook**(Samsung NP-R428-DS0YCN, SN: ZVC093FZ800422X).

Note: Due to the different configuration and test, in this list only some worse mode. The worst test data of the worse mode is reported by this report.

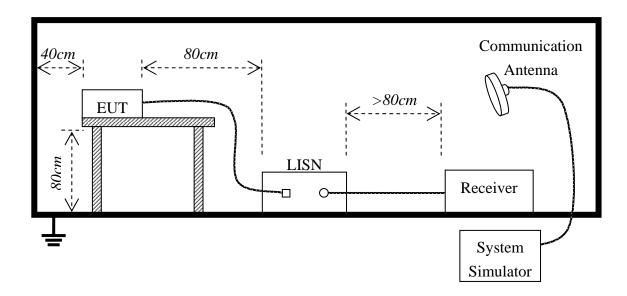
6. LINE CONDUCTED EMISSION TEST

6.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Fraguency	Maximum RF Line Voltage					
Frequency	Q.P.(dBuV)	Average(dBuV)				
150kHz-500kHz	66-56	56-46				
500kHz-5MHz	56	46				
5MHz-30MHz	60	50				

^{**}Note: 1. the lower limit shall apply at the transition frequency.

6.2. BLOCK DIAGRAM OF TEST SETUP



^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

6.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per FCC Part 15 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT received DC 5V by AC/DC adapter or USB port of notebook which through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.

9) The following test mode(s) were scanned during the preliminary test:

	Prelim	ninary Conducted Em	nission Test				
Frequency Range In	vestigated	150KHz TO 30 MHz					
Mode of operation	Date	Report No.	Data#	Worst Mode			
Idle Mode	2011-4-12	STS110417F1	BB2500WT_1_(L, N)				
Call Mode	2011-4-12	STS110417F1	BB2500WT_2_(L, N)				
GPRS Mode	2011-4-12	STS110417F1	BB2500WT_3_(L, N)				
Bluetooth Mode	2011-4-12	STS110417F1	BB2500WT_4_(L, N)				
WIFI Mode	2011-4-12	STS110417F1	BB2500WT_5_(L, N)	\boxtimes			
MP3/MP4 Mode	2011-4-12	STS110417F1	BB2500WT_6_(L, N)				
Camera Mode	2011-4-12	STS110417F1	BB2500WT_7_(L, N)				
TV Mode	2011-4-12	STS110417F1	BB2500WT_8_(L, N)				
FM Mode	2011-4-12	STS110417F1	BB2500WT_9_(L, N)				
USB Mode	2011-4-12	STS110417F1	BB2500WT_10_(L, N)				

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

6.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

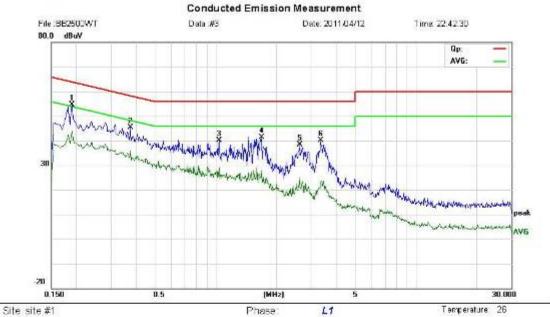
EUT and support equipment was set up on the test bench as per step 9 of the preliminary test. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector. The test data of the worst case condition(s) was reported on the Summary Data page.

6.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120V/60Hz

Humidity 60 %

Limit: FCC Part 15 B Class B QP EUT; GSM MOBILE PHONE

M/N: BB2500WT Mode: WIFI Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBu∀	dB	dBdV	48uV	dB	Detector	Comment	
1.	0.1900	43.11	11.40	54.51	64.04	-9.53	peak		
2	0.3740	34.59	10.84	45.43	58 41	-12.98	peak		
3	1.0340	30.15	9.97	40.12	58.00	-15.88	peak		
4	1.6860	32.00	9.31	41.31	56.00	-14.69	peak		
5	2.6300	28.68	9.63	38.31	56.00	-17.69	peak		
6	3.3420	29.73	10.34	40.07	58.00	-15.93	peak		

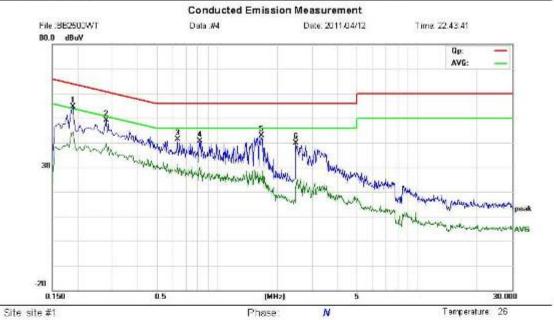
^{*:}Maximum data x:Overlimit 1:overmargin



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park.

Humidity 60 %

Guangdong China Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120V/60Hz

Limit: FCC Part 15 B Class B QP

EUT: GSM MOBILE PHONE

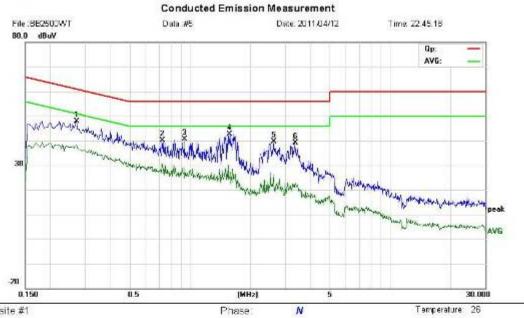
M/N: BB2500WT Mode: WIFI Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBu∀	dB	dBuV	4BeV	άB	Detector	Commend	
1		0.1900	43.22	11.48	54.62	64.04	-9.42	peak		
2		0.2780	37.53	11.48	49.01	60.88	-11.87	peak		
3		0.6340	31.38	10.00	41,38	58.00	-14.62	peak		
4		0.8180	30.70	10.00	40.70	56.00	-15.30	peak		
5		1,6620	33.49	9.34	42.83	56.00	-13,17	peak		
6		2.4820	30.42	9.48	39.90	56.00	-16,10	peak		

^{*:}Maximum data x:Overlimit I:overmargin



Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong China Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120V/60Hz

Humidity 60 %

Site site #1 Limit: FCC Part 15 B Class B QP

EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: CAMERA

Note:

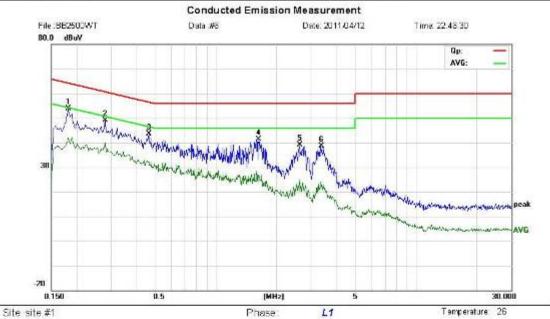
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBu∀	dB	dBdV	4BuV	dΒ	Detector	Comment	
1	*	0.2700	36.31	11.53	47.84	61.12	-13.28	peak		
2		0.7280	30.12	10.00	40.12	56 00	-15.88	peak		
3		0.9380	30.63	10.00	40.63	58.00	-15.37	peak		
4		1.5620	33.26	9.44	42.70	56.00	-13.30	peak		
5		2.6260	30.10	9.63	39.73	56.00	-16.27	peak		
6		3.3580	28.76	10.36	39.12	56.00	-16.88	peak.		

^{*:}Maximum data x:Overlimit I:overmargin



Address No.5_Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120M60Hz

Humidity 60 %

Limit: FCC Part 15 B Class B QP EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: CAMERA

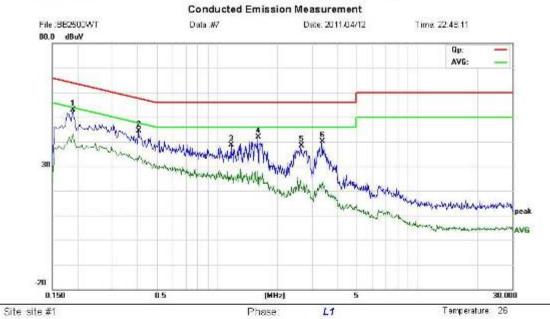
Note:

Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dBu∀ dB dBdV dBuV. ¢B: Detector Comment 0.1820 42.84 10.92 53.76 64 39 -10.63 peak 2 0.2780 37.64 11.48 49.12 60 88 -11 76 рвак 0.4620 10.25 58.66 -12.91 3 33.50 43.75 peak 4 1.6260 31.94 9.37 41.31 56.00 -14.69 peak 5 2.6340 29.52 9.63 39.15 56.00 -16.85 peak 56.00 -17.26 6 3,3620 28.38 10.36 38,74 peak

^{*:}Maximum data x:Overlimit 1:overmargin



Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong China Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120V/60Hz

Humidity 60 %

Limit: FCC Part 15 B Class B QP

EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: BLUETOOTH

Note:

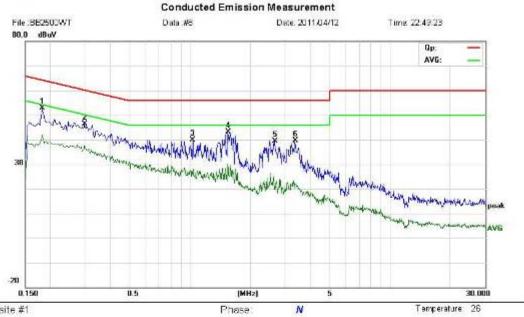
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBu∀	dB	dBdV	48uV	dΒ	Detector	Commend	
1		0.1900	41.46	11.48	52.86	64.04	-11.18	peak		
2		0.4080	33 83	10.63	44.46	57.73	-13 27	peak		
3		1.1740	28.79	9.83	38.62	58.00	-17.38	peak		
4		1.5980	32.47	9.40	41.87	56.00	-14,13	peak		
5		2.6380	28.74	9.64	38.38	56.00	-17.62	peak		
6		3.3500	29.75	10.35	40.10	56.00	-15.90	peak		

^{*:}Maximum data x:Overlimit 1:overmargin



Address No.5 Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong China Tel: 0755-86170306 Fax: 0755-86170310

Humidity 60 %



Power: AC 120V/60Hz

Site site #1 Limit: FCC Part 15 B Class B QP

EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: BLUETOOTH

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBu∀	dB	dBdV	4BuV	dΒ	Detector	Commend	
1		0.1820	41.85	10.92	52.77	64.39	-11.62	peak		
2		0.2980	35 05	11.35	46.40	60.30	-13.90	peak		
3		1.0260	29.99	9.97	39.96	58.00	-18.04	peak		
4		1.5420	33.78	9.46	43.24	56.00	-12,76	peak		
5		2.6540	29.83	9.65	39.48	56.00	-16,52	peak		
6		3.3580	29.19	10.36	39.55	56.00	-16,45	peak.		

^{*:}Maximum data x:Overlimit I:overmargin

7. RADIATED EMISSION TEST

7.1. LIMITS OF RADIATED DISTURBANCES AT 3M DISTANCES FOR CLASS B

According to FCC section 15.109, except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

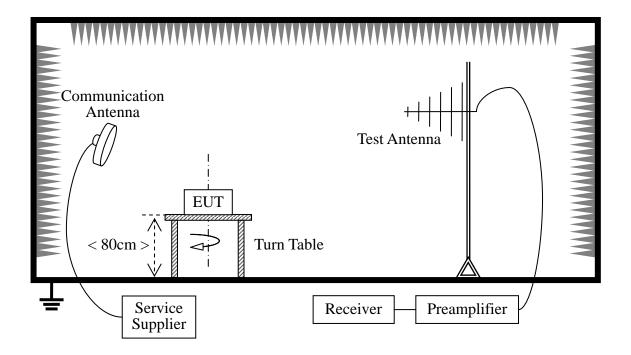
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

- 1. Field Strength ($dB\mu V/m$) = 20*log[Field Strength ($\mu V/m$)].
- 2. In the emission tables above, the tighter limit applies at the band edges.

7.2 TEST DESCRIPTION

Test Setup:



The EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the EUT is activated and transmitting with the other Bluetooth device (Supply by the Applicant) during the test.

For the Test Antenna:

(a) In the frequency range of 9 kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

(b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

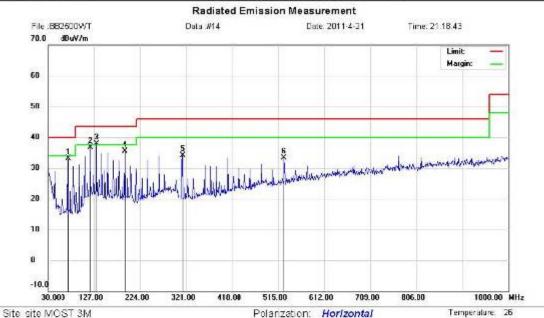
	Preliminary Radiated Emission Test												
Frequenc	y Range Invest	30 MHz TO 1000 MHz											
Mode of operation	Date Report No.		Data#	Worst Mode									
Idle Mode	2011-4-21	STS110417F1	BB2500WT_1_(H, V)										
Call Mode	2011-4-21	STS110417F1	BB2500WT_2_(H, V)										
GPRS Mode	2011-4-21	STS110417F1	BB2500WT_3_(H, V)										
Bluetooth Mode	2011-4-21	STS110417F1	BB2500WT_4_(H, V)										
WIFI Mode	2011-4-21	STS110417F1	BB2500WT_5_(H, V)										
MP3/MP4Mode	2011-4-21	STS110417F1	BB2500WT_6_(H, V)										
Camera Mode	2011-4-21	STS110417F1	BB2500WT_7_(H, V)										
TV Mode	2011-4-21	STS110417F1	BB2500WT_8_(H, V)										
FM Mode	2011-4-21	STS110417F1	BB2500WT_9_(H, V)										
USB Mode	2011-4-21	STS110417F1	BB2500WT_10_(H, V)	\boxtimes									

7.3 TEST RESULT



Address No.5 Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Power, AC 120V/60Hz

Humidity.

Distance:

51 %

Limit: FCC Part15 B 3M Radiation

EUT; GSM MOBILE PHONE

M/N: BB2500WT

Mode: CAMERA

Note:

No.	Mk		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
			MHz	dBu∀	dB	dBuV/m	dBuV/m	dΒ	Detector	om	degree	Comment
1		7.1	7100	2148	11.68	33.14	40.00	-6.86	peak			
2		119	3.2400	19.33	17.42	36,75	43.50	-6.75	peak			
3	*	131	.8500	20.38	17.61	37.99	43.50	-5.51	peak			
4		191	.9900	18.84	16.70	35.54	43.50	-7.96	peak			
5		312	2.2700	17.35	16.69	34.04	46.00	-11,98	pesk			
6		527	6100	11.22	22.08	33.30	46.00	-12.70	peak			

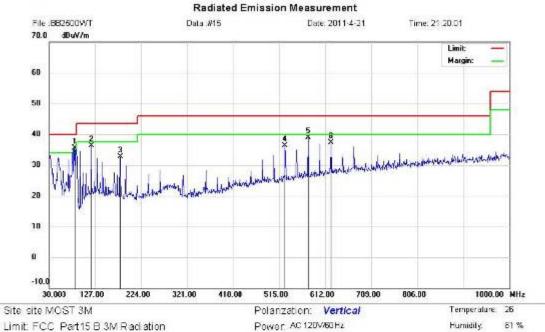
^{*:}Maximum data x:Over limit I:over margin



Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Distance:

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part15 B 3M Radiation

EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: CAMERA

Note:

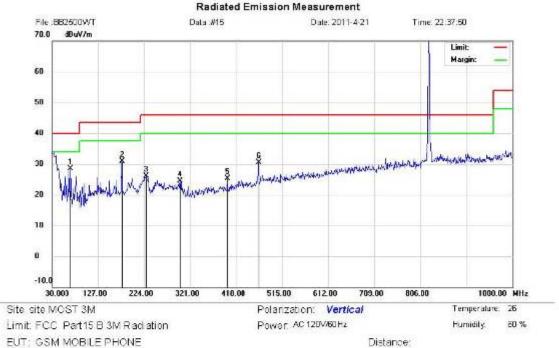
No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBuV/m	dBuV/m	dВ	Detector	om	degree	Comment
1	*	83.3500	24.22	11.34	35.56	40.00	-4.44	peak			
2		119.2400	18.89	17.42	36.31	43.50	-7.19	peak			
3		179.3800	15.91	16.73	32.64	43.50	-10.86	peak			
4	- 1	527.6100	14.25	22.08	36.33	46.00	-9.67	peak			
5	9	576,1100	16.15	22.82	38.97	46.00	-7.03	peak			
6		824.6100	13.65	23.58	37.24	46.00	-8.76	peak			

^{*:}Maximum data x:Over limit 1:over margin



Address No.5 Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



M/N: BB2500WT Mode: CALL Note:

No.	Mk	. Fr	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Оуег		Antenna Height	Table Degree	
		M	Hz	dBu∀	dB	dBuV/m	dBuV/m	dB.	Detector	om	degree	Comment
1	*	69.76	399	16.78	11.69	28.45	40.00	-11.55	peak			
2		176.46	899	14.06	16.80	30,94	43.50	-12.56	peak			
3		227.83	799	9.67	16.46	26.13	46.00	-19.87	peak			
4		299.60	600	5.18	19.30	24.48	46.00	-21.52	peak			
5		398,60	000	6.64	18.66	25,30	46.00	-20.70	peak			
6		485.53	299	9 4 4	20.98	30.42	46.00	-15.58	peak			

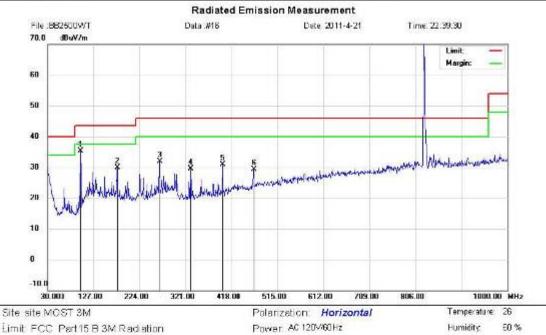
Notes: The spikes which exceed the limit should be ignored because they are MS and SS carrier frequency.

^{*:}Maximum data x:Over limit 1:over margin



Address No.5 Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong China Tel: 0755-86170306 Fax: 0755-86170310

Distance:



Limit FCC Part 15 B 3M Radiation

EUT: GSM MOBILE PHONE

M/N: BB2500WT Mode: CALL Note:

No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBuWm	dBuV/m	dВ	Detector	cm	degree	Comment
1		100.8100	21.87	13.44	35.31	43.50	-8.19	peak			
2		176,4700	13 04	15.88	29.82	43.50	-13.58	peak			
3		285.7100	13.57	18.35	31.92	46.00	-14.08	peak			
4		331.6700	12.56	17.02	29.58	46.00	-16.42	peak			
5		398,6000	12.19	18.66	30.85	46.00	-15,15	peak			
6		465.5300	8 29	20.98	29.27	46.00	-16.73	peak			

Notes: The spikes which exceed the limit should be ignored because they are MS and SS carrier frequency.

^{*:}Maximum data x:Overlimit I:overmargin



Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310

Radiated Emission Measurement File::8825009/T Data:#17 Date 2011-4-21 Time: 0.05.40 70.0 dBuV/m Limit Margin 60 50 40 30 20 10 ū -10.0 127.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz 30,000 Temperature, 25

Site site MOST 3M

Limit: FCC Part 15 B 3M Radiation

EUT: GSM MOBILE PHONE M/N: BB2500WT

Mode: USB Note:

Polarization: Horizontal POWER, DC 5V From PC Inpute AC120V/60Hz Humidity.

Distance:

50 %

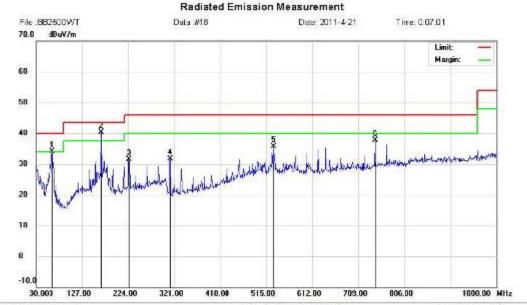
No.	M	(Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Оуег		Antenna Height	Table Degree	
			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	om	degree	Comment
1	1	60	.0700	25.09	10.81	35.90	40.00	-4.10	peak			
2	1	187	7400	22.23	17.20	39.43	43.50	-4.07	peak			
3	*	191	9900	23.19	16.70	39,89	43.50	-3.61	peak			
4	ी	288	.0200	22.90	19.42	42.32	46.00	-3.68	peak	:		
5	1	312	2700	25.22	16.69	41.91	46.00	-4.09	peak			
6		930	1600	10.06	27.40	37.46	46.00	-8.54	peak			

^{*:}Maximum data x:Over limit 1:over margin



Address No.5 Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Site site MOST 3M

Limit: FCC Part15 B 3M Radiation

EUT; GSM MOBILE PHONE

M/N: BB2500WT Mode: USB Note: Polarization: Vertical Temperature 26
Power, DC 5V From PC Inpute AC120V/60Hz Humidity 80 %

Distance:

No.	Mk		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Оуег		Antenna Height	Table Degree	
			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	om	degree	Comment
1	1	63	3.9500	22.84	11.28	34.04	40.00	-5.96	peak			
2	T	187	7,7400	23.15	17.20	40.35	43.50	-3.15	peak			
3		224	1,9700	15 07	16.40	31,47	46.00	-14.53	peak			
4		312	2.2700	15.00	16.69	31.69	46.00	-14.31	peak			
5		531	1.4900	13.60	22,14	35.74	46.00	-10.26	pesk			
6		743	3.9200	11.91	25.74	37.65	46.00	-8.35	peak			

^{*:}Maximum data x:Over limit I:over margin

The worst test data above 1 GHz was showed as the follow:

Operation Mode: CALL(850MHz) Test Date: April. 21, 2011

Temperature: 24°C **Tested by:** Petter Ping

Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant./CL CF	Actual Fs		Peak Limit	AV Limit	Peak Margin	AV Margin
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1717.50	Н	58.39	39.47	9.06	67.45	48.53	74.00	54.00	-6.55	-5.47
2765.50	Н	52.73	33.98	9.09	61.82	43.07	74.00	54.00	-12.18	-10.93
N/A										>20
									-	_
1717.50	V	59.15	40.78	9.06	68.21	49.84	74.00	54.00	-5.79	-4.16
2765.00	٧	54.21	35.11	9.09	63.30	44.20	74.00	54.00	-10.70	-9.80
N/A										>20

Notes:

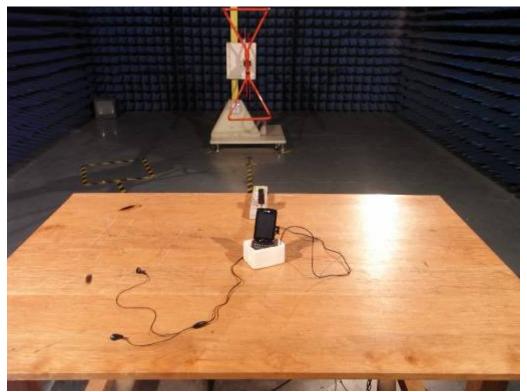
- 1. Measuring frequencies from 1 GHz to 6GHz.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 3. The frequency that above 3GHz is mainly from the environment noise.

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

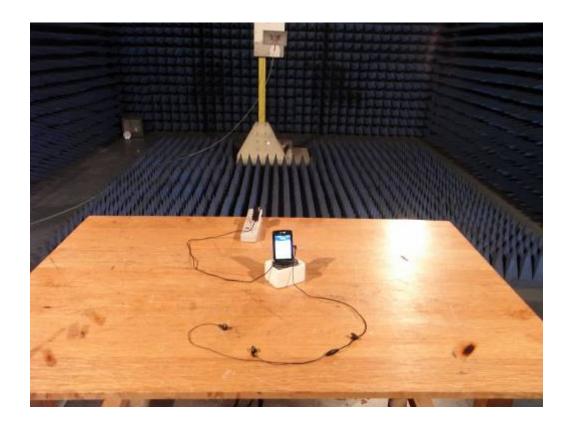
CE TEST SETUP



RE TEST SETUP







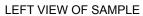
APPENDIX 2 PHOTOGRAPHS OF EUT

FRONT VIEW OF SAMPLE



BACK VIEW OF SAMPLE

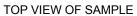






RIGHT VIEW OF SAMPLE







BOTTOM VIEW OF SAMPLE



PHOTO OF USB LINE



PHOTO OF EARPHONE



PHOTO OF POWER SUPPLY



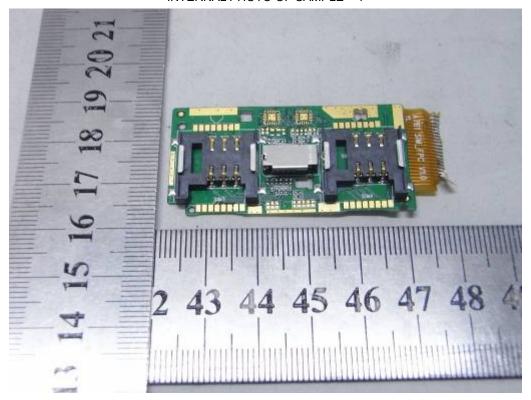
PHOTO OF BATTERY



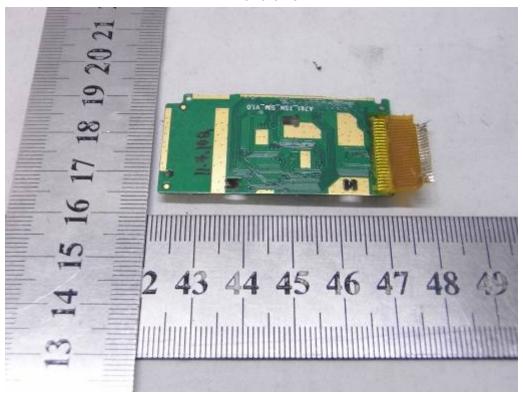




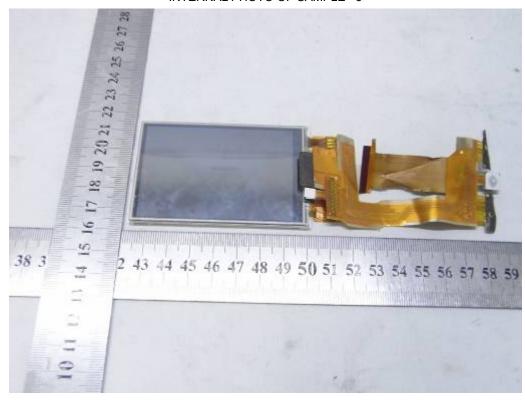
INTERNAL PHOTO OF SAMPLE - 1



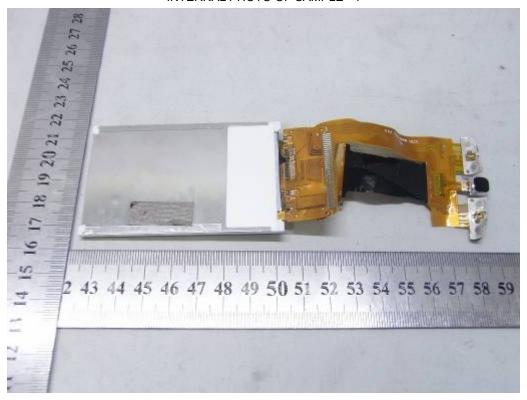
INTERNAL PHOTO OF SAMPLE - 2



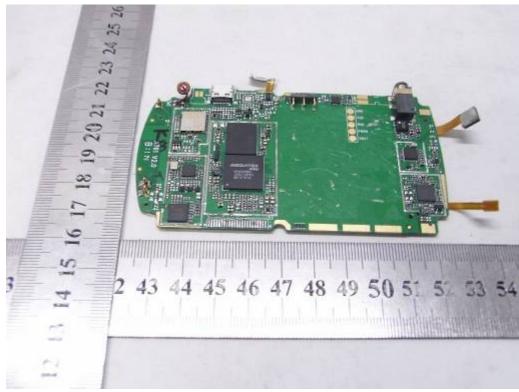
INTERNAL PHOTO OF SAMPLE -3



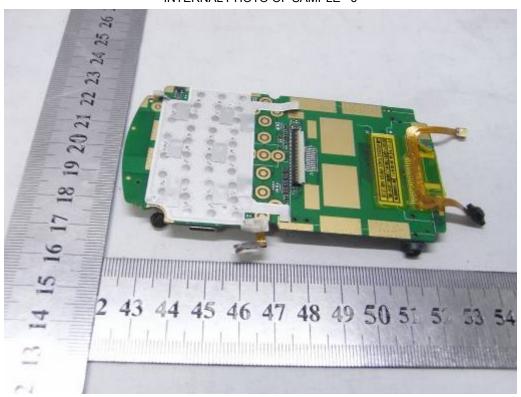
INTERNAL PHOTO OF SAMPLE -4



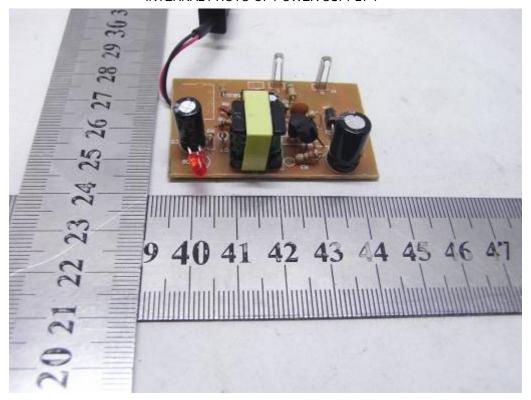
INTERNAL PHOTO OF SAMPLE -5



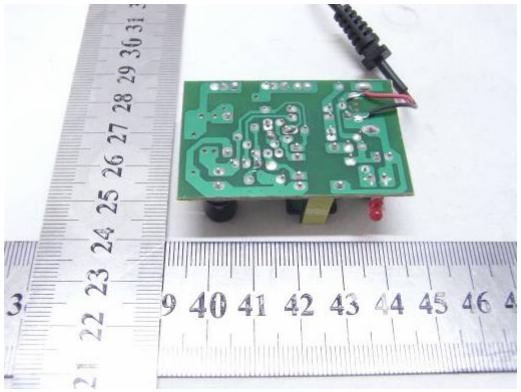




INTERNAL PHOTO OF POWER SUPPLY-1



INTERNAL PHOTO OF POWER SUPPLY-2



-----END OF REPORT-----