

47 CFR PART 22 H & PART 24 E

TEST REPORT

of

HSDPA USB Modem

Model Name:

One Touch X060

Brand Name:

Alcatel

Report No .:

SZ08110085E03

FCC ID:

RAD108

prepared for

TCT Mobile Limited

4/F, South Building, No. 2966, Jinke Road, Zhangjiang High-Tech Park, Pudong, Shanghai, 201203, P.R.China

Shenzhen Electronic Doduct Quality Testing Center

Morlab Laboratory

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Fax: 186.755.86130218











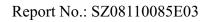


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1. TEST CERTIFICATION

Equipment under Test: HSDPA USB Modem

Brand Name: Alcatel

Model Name: One Touch X060

FCC ID: RAD108

Applicant: TCT Mobile Limited.

4/F, South Building, No. 2966, Jinke Road, Zhangjiang High-Tech

Park, Pudong, Shanghai, 201203, P.R.China

Manufacturer: TCL Mobile Communication Co., LTD.

No. 23 Zone, Zhongkai High-Technology Development Zone,

Huizhou, Guangdong, 516006, China

Test Standards: 47 CFR Part 2

47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E

Test date: January 1, 2009 – April 15, 2009

Test Result: PASS

* We Hereby Certify That:

The equipment under test was tested by Shenzhen Electronic Product Quality Testing Center Morlab Laboratory. The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the requirement of related FCC rules.

The test results of this report only apply for the tested sample equipment identified above. The test report shall be invalid without all the signatures of the test engineer, the reviewer and the approver.

Tested by:

Li Yi

Reviewed by:

Wei Yanguan

Dated:

2w9.415

Approved by:

Shu Luan



2. GENERAL INFORMATION

2.1 EUT Description

Description: HSDPA USB Modem Model Name: One Touch X060

Serial No...... (n.a, marked #1 by test site)

MEID...... (n.a) Hardware Version Proto Software Version (n.a)

Frequency Range WCDMA 850MHz

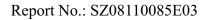
Tx: 826.4- 846.6MHz; Rx: 871.4 – 891.6MHz

WCDMA 1900MHz

Tx: 1852.4 – 1907.6MHz; Rx: 1932.4 – 1987.6MHz

Modulation Type.....: WCDMA Emission Designators....: 4M20F9W

- Note 1: The EUT is the HSDPA USB Modem; it supports GSM 850MHz,900MHz,1800MHz, 1900MHz bands and WCDMA850MHz,1900MHz,2100MHz.. WCDMA 850MHz and 1900MHz bands are tested in this report. When testing, the EUT was powered by a PC via USB point, and a connecting between EUT and base station was established at the start of the test, and maintained during the all test in this report.
- Note 2: The transmitter (Tx) frequency arrangement of the WCDMA 850MHz band used by the EUT can be represented with the formula F(n)=0.2*n, 4132<=n<=4233; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 4132 (826.4MHz), 4175 (835MHz) and 4233 (846.6MHz).
- Note 3: The transmitter (Tx) frequency arrangement of the WCDMA 1900MHz band used by the EUT can be represented with the formula F(n)= 0.2*n, 9262<=n<=9538; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 9262 (1852.4MHz), 9400 (1880MHz) and 9538 (1907.6MHz).
- *Note 4:* For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.





2.2 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22 and Part 24 for the EUT FCC ID Certification:

| No. | Identity | Document Title |
|-----|-------------------|---|
| 1 | 47 CFR Part 2 | Frequency Allocations and Radio Treaty Matters; General |
| | (10-1-05 Edition) | Rules and Regulations |
| 2 | 47 CFR Part 22 | Public Mobile Services |
| | (10-1-05 Edition) | |
| 3 | 47 CFR Part 24 | Personal Communications Services |
| | (10-1-05 Edition) | |

Test detailed items/section required by FCC rules and results are as below:

| No. | Section | Description | Result |
|-----|---------|--------------------------------------|--------|
| 1 | 2.106 | Frequencies | (n.a) |
| | 22.905 | | |
| | 24.229 | | |
| 2 | 2.1046 | Conducted RF Output Power | PASS |
| 3 | 2.1049 | Occupied Bandwidth | PASS |
| 4 | 2.1055 | Frequency Stability | PASS |
| | 22.355 | | |
| | 24.235 | | |
| 5 | 2.1051 | Conducted Out of Band Emissions | PASS |
| | 22.917 | | |
| | 24.238 | | |
| 6 | 2.1051 | Band Edge | PASS |
| | 2.1057 | | |
| | 22.917 | | |
| | 24.238 | | |
| 7 | 22.913 | Radiated RF Output Power | PASS |
| | 24.232 | | |
| 8 | 2.1053 | Field strength of spurious radiation | PASS |
| | 22.917 | | |
| | 24.238 | | |



2.3 Facilities and Accreditations

2.3.1 Facilities

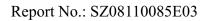
Shenzhen Electronic Product Quality Testing Center Morlab Laboratory is a testing organization accredited by China National Accreditation Board for Laboratories (CNAL) according to ISO/IEC 17025. The accreditation certificate number is L1659.

All measurement facilities used to collect the measurement data are located at Electronic Testing Building, Shahe Road, Xili, Nanshan District, Shenzhen 518055 CHINA. The test site is constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22; the FCC registration number is 741109.

2.3.2 Test Environment Conditions

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

| Temperature (°C): | 20 - 25 |
|-----------------------------|---------|
| Relative Humidity (%): | 40 - 60 |
| Atmospheric Pressure (kPa): | 96 |





3. 47 CFR PART 2, PART 22H REQUIREMENTS

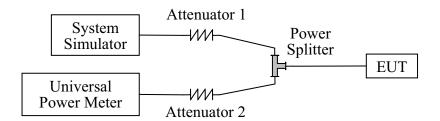
3.1 Conducted RF Output Power

3.1.1 Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

3.1.2 Test Description

3.1.2.1 Test Setup:



The EUT, which is powered by the Battery, is coupled to the Universal Power Meter and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Class = 3. A call is established between the EUT and the SS.

3.1.2.2 Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|-----------------------|----------------|--------|------------|-----------|----------|
| System Simulator | Agilent | E5515C | GB43130131 | 2008.09 | 1 year |
| Universal Power Meter | Giga - tronics | 8542C | 1832005 | 2008.09 | 1 year |
| Power Splitter | Weinschel | 1506A | NW521 | (n.a.) | (n.a.) |
| Attenuator 1 | Resnet | 20dB | (n.a.) | (n.a.) | (n.a.) |
| Attenuator 2 | Resnet | 3dB | (n.a.) | (n.a.) | (n.a.) |

3.1.3 Test Result

Here the lowest, middle and highest channels are selected to perform testing to verify the conducted



RF output power of the EUT. For the mobile phone operates at Max Output Power, the rated conducted RF output power is 24dBm within the tolerance of +1/-3dB.

Test Verdict:

| | | Eraguanav | Measured Output | Measured Output Rated C | | Verdict |
|----------|---------|-----------------|-----------------|-------------------------|-----------|---------|
| Band | Channel | Frequency (MHz) | Power | 4D | Tolerance | |
| | | (IVIIIZ) | (dBm) | dBm | (dB) | |
| WCDMA | 4132 | 826.4 | 22.55 | | | PASS |
| 850MHz | 4175 | 835 | 23.12 | 24 | +1/-3 | PASS |
| OSUMITZ | 4233 | 846.6 | 23.91 | | | PASS |
| WCDMA | 9262 | 1852.4 | 21.72 | | | PASS |
| 1900MHz | 9400 | 1880 | 22.33 | 24 | +1/-3 | PASS |
| 1900MITZ | 9538 | 1907.6 | 21.62 | | | PASS |

Note: The measured output power was calculated by the reading of the Power Meter and calibration.



3.2 Frequency Stability

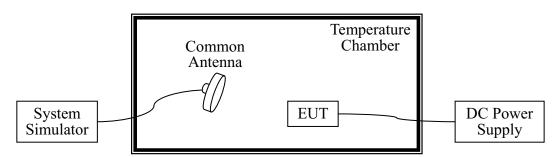
3.2.1 Requirement

According to FCC section 22.355 and FCC section 24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

3.2.2 Test Description

1. Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2. Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|------------------|--------------------|------------|------------|-----------|----------|
| System Simulator | Agilent | E5515C | GB43130131 | 2008.09 | 1year |
| DC Power Supply | Good Will | GPS-3030DD | EF920938 | 2007.06 | 2year |
| Temperature | YinHe Experimental | HL4003T | (n.a.) | 2009.03 | 1year |
| Chamber | Equip. | | | | |

3.2.3 Test Verdict

The nominal, highest and lowest extreme voltages are separately 3.7VDC, 4.2VDC and 3.6VDC, which are specified by the applicant; the normal temperature here used is 25° C. The frequency deviation limit is ± 2.5 ppm.



| Band | Test Co | onditions | | Frequency Deviation | | | | | |
|---------|---------|-----------|--------|---------------------|---------------|----------|--------|----------------------|-------------|
| | Power | Tempera | | el = 4132 4MHz) | Channel (835) | I = 4175 | Chann | nel = 4233 .6MHz) | Verdi ct |
| | (VDC) | ture (°C) | Hz | Limit | Hz | Limit | Hz | Limit | |
| | | -30 | 33.86 | | 42.56 | | 34.76 | | |
| | | -20 | 25.51 | | 32.7 | | 14.94 | | |
| | | -10 | 31.25 | | 27.69 | | 30.08 | | |
| WCDMA | | 0 | -42.15 | | -32.09 | | -16.43 | | |
| 850MHz | 3.7 | +10 | 17.24 | | -37.13 | | 38.48 | | |
| | | +20 | 31.42 | ±826.4 | 25.41 | ±835 | -41.56 | ±846.6 | PASS |
| | | +30 | 25.54 | | -16.63 | | 19.84 | | |
| | | +40 | 18.69 | | 8.82 | | 15.26 | | |
| | | +50 | -13.65 | | 28.31 | | -33.65 | | |
| | 4.2 | +25 | 24.22 | | 36.5 | | 24.51 | | |
| | 3.6 | +25 | 28.74 | | -48.75 | | 19.85 | | |
| | | -30 | 31.66 | | 43.14 | | 27.75 | | |
| | | -20 | 34.52 | | 31.25 | | 21.66 | | |
| | | -10 | 21.08 | | -28.15 | | 12.23 | | |
| | | 0 | -39.16 | | -15.42 | | -21.51 | | |
| WCDMA | 3.7 | +10 | -17.45 | | 24.26 | | -38.78 | | |
| 1900MHz | | +20 | 14.7 | ±1852.4 | 17.69 | ±1880 | 6.41 | ±1907.6 | PASS |
| 1900MHZ | | +30 | -28.14 | | 24.64 | | 26.76 | | |
| | | +40 | -31.42 | | 28.16 | | 27.74 | | |
| | | +50 | 29.71 | | -29.91 | | -23.31 | | |
| | 4.2 | +25 | 10.28 | | -14.69 | | -17.47 | | |
| | 3.6 | +25 | 24.31 | | 21.15 | | 24.75 | | |



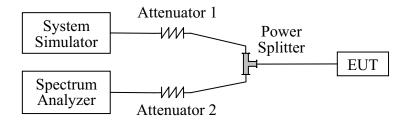
3.3 Conducted Out of Band Emissions

3.3.1 Requirement

According to FCC section 22.917(a) and FCC section 24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

3.3.2 Test Description

3.3.2.1 Test Setup:



The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Class = 3. A call is established between the EUT and the SS.

3.3.2.2 Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|-------------------|--------------|--------|------------|-----------|----------|
| System Simulator | Agilent | E5515C | GB43130131 | 2009.09 | 1year |
| Spectrum Analyzer | Agilent | E7405A | US44210471 | 2009.09 | 1year |
| Power Splitter | Weinschel | 1506A | NW521 | (n.a.) | (n.a.) |
| Attenuator 1 | Resnet | 20dB | (n.a.) | (n.a.) | (n.a.) |
| Attenuator 2 | Resnet | 3dB | (n.a.) | (n.a.) | (n.a.) |

3.3.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

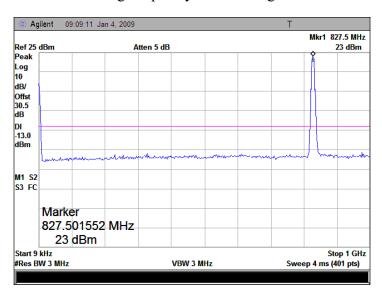


1. Test Verdict:

| Band | Channel | Frequenc y (MHz) | Measured Max. Spurious Emission (dBm) | Refer to Plot | Limit (dBm) | Verdic t |
|---------|---------|------------------|---------------------------------------|---------------|-------------|----------|
| WCDMA | 4132 | 826.4 | | Plot A.1/A.2 | | PASS |
| WCDMA | 4175 | 835 | | Plot B.1/B.2 | -13 | PASS |
| 850MHz | 4233 | 846.6 | | Plot C.1/C.2 | | PASS |
| WCDMA | 9262 | 1852.4 | | Plot D1/D.2 | | PASS |
| 1900MHz | 9400 | 1880 | | Plot E.1/E.2 | -13 | PASS |
| 1900MHZ | 9538 | 1907.6 | | Plot F.1/F.2 | | PASS |

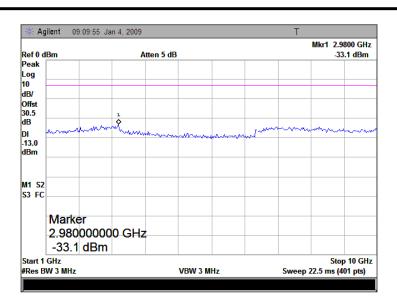
2. Test Plot for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored.

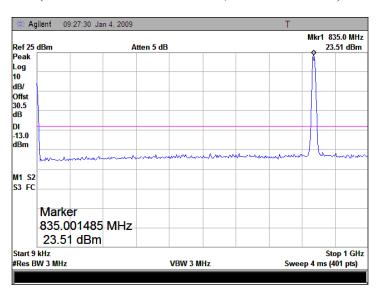


(Plot A.1: Channel = 4132, 30MHz to 1GHz)



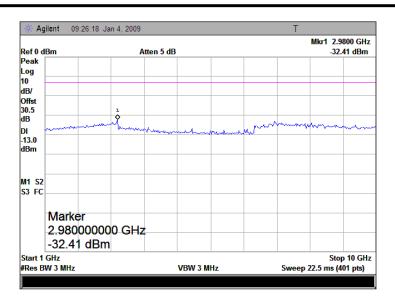


(Plot A.2: Channel = 4132, 1GHz to 10GHz)

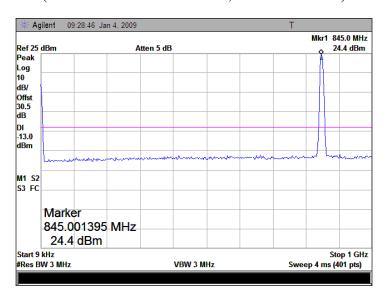


(Plot B.1: Channel = 4175, 30MHz to 1GHz)



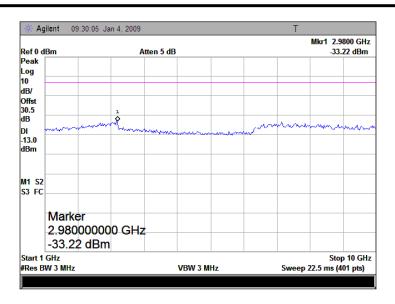


(Plot B.2: Channel = 4175, 1GHz to 10GHz)

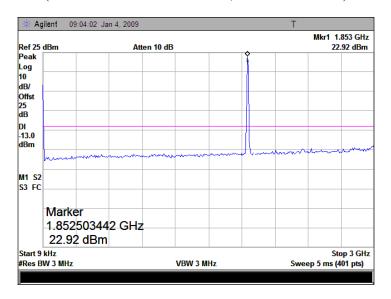


(Plot C.1: Channel = 4233, 30MHz to 1GHz)



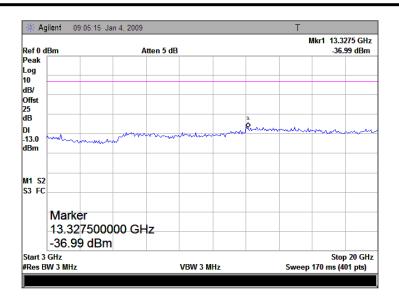


(Plot C.2: Channel = 4233, 1GHz to 10GHz)

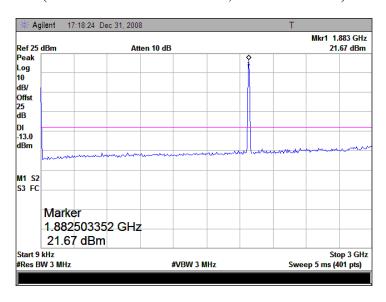


(Plot D.1: Channel = 9262, 30MHz to 3GHz)



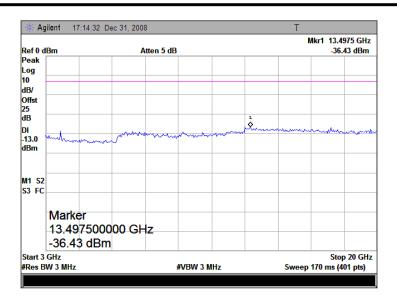


(Plot D.2: Channel = 9262, 3GHz to 20GHz)

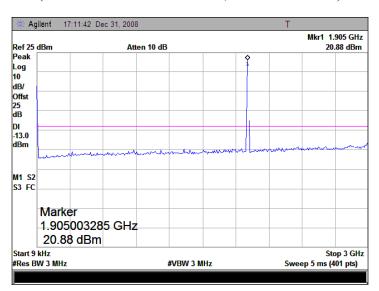


(Plot E.1: Channel = 9400, 30MHz to 3GHz)



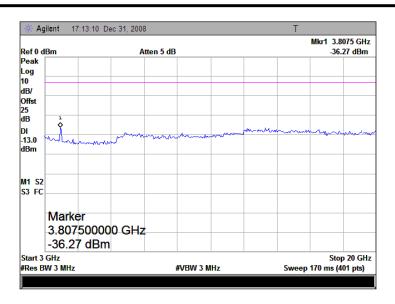


(Plot E.2: Channel = 9400, 3GHz to 20GHz)



(Plot F.1: Channel = 9538, 30MHz to 3GHz)





(Plot F.2: Channel = 9538, 3GHz to 20GHz)



3.4 Occupied Bandwidth

3.4.1 Definition

According to FCC section 2.1049, The EUT was setup to maximum output power at its middle channel. The occupied bandwidth was measured sing a spectrum analyzer. The measurements are repeated for the middle channel. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center requency and one above the carrier frequency, outside of which all emissions are attenuated at least 26 dB elow the transmitter power. Plots of the EUT's occupied bandwidth are shown herein.

3.4.2 Test Description

See section 3.3.2 of this report.

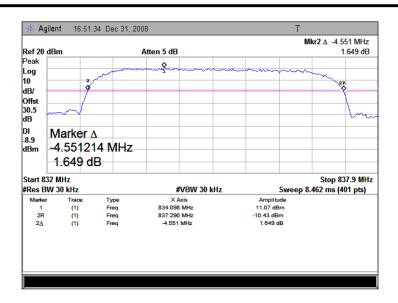
3.4.3 Test Verdict

Here the middle channels are tested to record the 26dB occupied bandwidth. The measurement is made according to FCC rules part 22 and 24

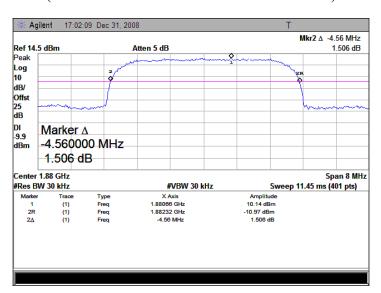
3. Test Verdict:

| Band | Channel | Frequency (MHz) | Measured 26dB Occupied Bandwidth (MHz) | Refer to Plot |
|------------------|---------|-----------------|--|---------------|
| WCDMA 850MHz | 4175 | 835 | 4.551 | Plot A |
| WCDMA 1900MHz | 9400 | 1880 | 4.560 | Plot B |





(Plot A: WCDMA 850MHz Channel = 4175)



(Plot B: WCDMA 1900MHz Channel = 9400)



3.5 Band Edge

3.5.1 Requirement

According to FCC section 22.917(b) and FCC section 24.238(b), in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

3.5.2 Test Description

See section 3.3.2 of this report.

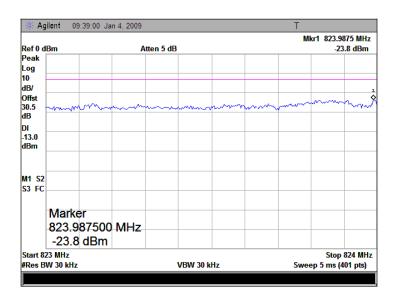
3.5.3 Test Result

The lowest and highest channels are tested to verify the band edge emissions.

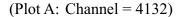
1. Test Verdict:

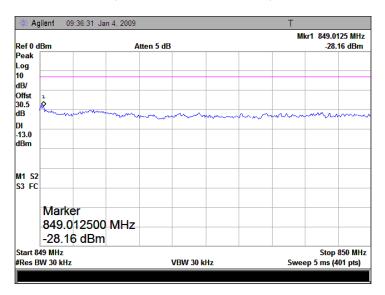
| Band C | Channel | Frequency | Measured Max. Band | Refer to | Limit (dBm) | Verdict |
|---------|---------|-----------|---------------------|----------|-------------|---------|
| | | (MHz) | Edge Emission (dBm) | Plot | , , , | |
| WCDMA | 4132 | 823.98 | -23.8 | Plat A | -13 | PASS |
| 850MHz | 4233 | 849.04 | -28.16 | Plot B | -13 | PASS |
| WCDMA | 9262 | 1849.98 | -23.11 | Plat C | -13 | PASS |
| 1900MHz | 9538 | 1910.00 | -25.4 | Plot D | -13 | PASS |

2. Test Plot:

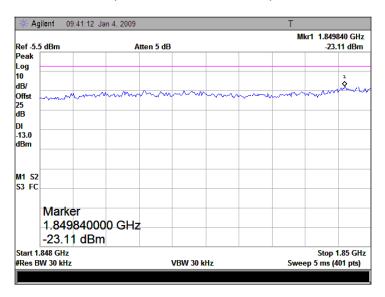






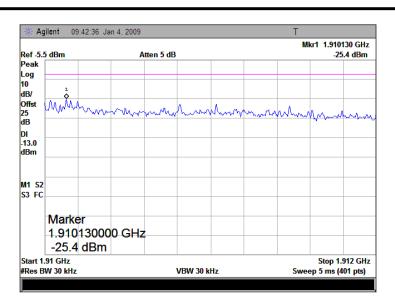


(Plot B: Channel = 4233)

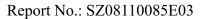


(Plot C: Channel = 9262)





(Plot D: Channel = 9538)





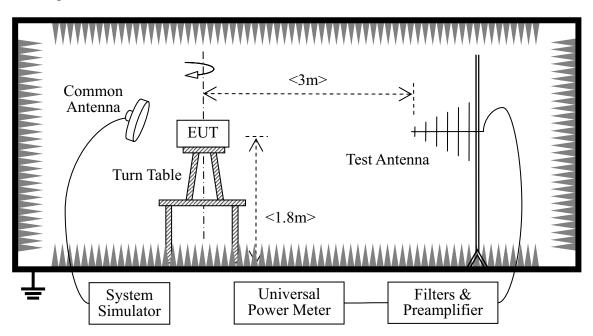
3.6 Transmitter Radiated Power (EIRP/ERP)

3.6.1 Requirement

According to FCC section 22.913, the mobile station is limited to 7 Watts e.i.r.p. peak power, and according to FCC section 24.232, the mobile station is limited to 2Watts e.i.r.p. peak power.

3.6.2 Test Description

1. Test Setup:



The EUT, which is powered by the Battery charged with the AC Adapter, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and are calculated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power; and a call is established between the EUT and the SS via a Common Antenna.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

2. Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|-----------------------|----------------|--------|------------|-----------|----------|
| System Simulator | Agilent | E5515C | GB43130131 | 2008.09 | 1 year |
| Universal Power Meter | Giga - tronics | 8542C | 1832005 | 2008.09 | 1 year |
| Spectrum Analyzer | Agilent | E7405A | US44210471 | 2008.09 | 1 year |



| Description | Manufacturer Model | | Serial No. | Cal. Date | Cal. Due |
|-----------------------|--------------------|------------|------------|-----------|----------|
| Full-Anechoic Chamber | Albatross | 9m*6m*6m | (n.a.) | 2008.08 | 2year |
| Test Antenna - Bi-Log | Schwarzbeck | VULB 9163 | 9163-274 | 2008.08 | 1 year |
| Test Antenna - Horn | Schwarzbeck | BBHA 9120C | 9120C-384 | 2008.08 | 1 year |

3.6.3 Test Result

The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

1. Test Verdict:

| Band | Chann | Frequency | Measured ERP/EIRP | | Limit | | Verdict | |
|------------------|-------|-----------|-------------------|-------|-------|---|---------|--|
| Dallu | el | (MHz) | dBm | W | dBm | W | verdict | |
| WCDMA | 4132 | 826.4 | 13.01 | 0.020 | | 7 | PASS | |
| 850MHz | 4175 | 835 | 10.84 | 0.012 | 38.5 | | PASS | |
| | 4233 | 846.6 | 10.07 | 0.010 | | | PASS | |
| WCDMA 1900MHz | 9262 | 1852.4 | 11.91 | 0.016 | | | PASS | |
| | 9400 | 1880 | 11.91 | 0.016 | 33 | 2 | PASS | |
| | 9538 | 1907.6 | 10.51 | 0.011 | | | PASS | |

Note: The measured output power was calculated by the reading of the Power Meter and calibration



3.7 Radiated Out of Band Emissions

3.7.1 Requirement

According to FCC section 22.917(a) and FCC section 24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

3.7.2 Test Description

See section 3.6.2 of this report.

3.7.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

1. Test Verdict:

| Brand | Channel | Frequenc y (MHz) | Measured M Emission | ax. Spurious n (dBm) | Refer to Plot | Limit (dBm) | Verdict |
|------------------|---------|---------------------|------------------------|-------------------------|---------------|-------------|---------|
| | | | Test | Test | | | |
| | | | Antenna | Antenna | | | |
| | | | Horizontal | Vertical | | | |
| WCDMA | 4132 | 826.4 | < -25 | < -25 | Plot A.1/A.2 | | PASS |
| WCDMA 850MHz | 4175 | 835 | < -25 | < -25 | Plot B.1/B.2 | -13 | PASS |
| | 4233 | 846.6 | < -25 | < -25 | Plot C.1/C.2 | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot D.1/D.2 | | PASS |
| | 9400 | 1880 | < -25 | < -25 | Plot E.1/E.2 | -13 | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot F.1/F.2 | | PASS |

2. Test Plot for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored.

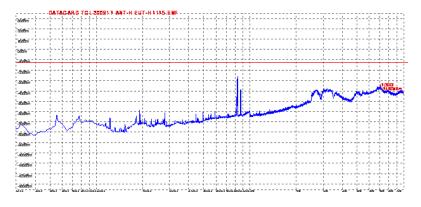




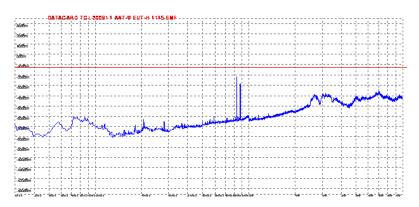
(Plot A.1: WCDMA 850MHz Channel = 4132, Test Antenna Horizontal)



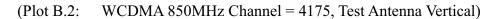
(Plot A.2: WCDMA 850MHz Channel = 4132, Test Antenna Vertical)

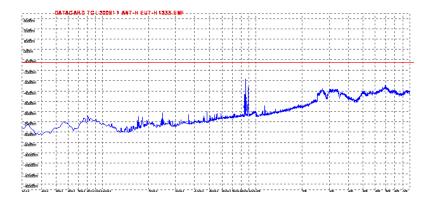


(Plot B.1: WCDMA 850MHz Channel = 4175, Test Antenna Horizontal)

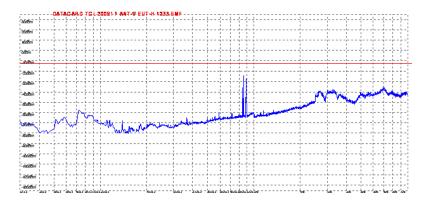




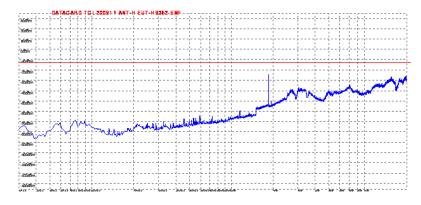




(Plot C.1: WCDMA 850MHz Channel = 4233, Test Antenna Horizontal)

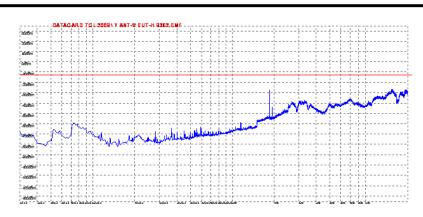


(Plot C.2: WCDMA 850MHz Channel = 4233, Test Antenna Vertical)

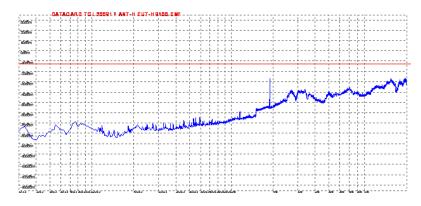


(Plot D.1: WCDMA 1900MHz Channel = 9262, Test Antenna Horizontal)

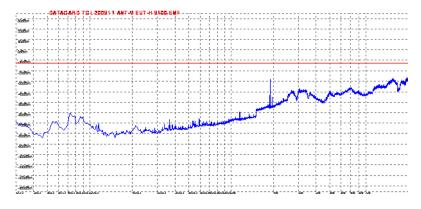




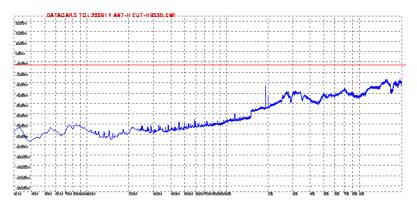
(Plot D.2: WCDMA 1900MHz Channel = 9262, Test Antenna Vertical)

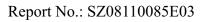


(Plot E.1: WCDMA 1900MHz Channel = 9400, Test Antenna Horizontal)

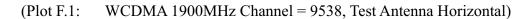


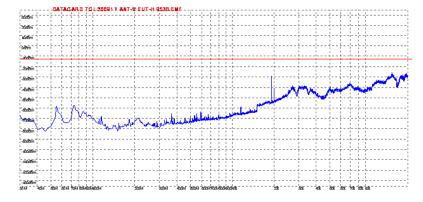
(Plot E.2: WCDMA 1900MHz Channel = 9400, Test Antenna Vertical)











(Plot F.2: WCDMA 1900MHz Channel = 9538, Test Antenna Vertical)

** END OF REPORT **