



STC Test Report

Date : 2008-09-09

Page 1 of 20

No. : HM161972

Applicant (WIC020):

Winbel Co Ltd
9C Fully Industrial Building, 6 Tsun Yip Lane, Kwun Tong
Hong Kong

Manufacturer:

Winbel Co Ltd
9C Fully Industrial Building, 6 Tsun Yip Lane, Kwun Tong
Hong Kong

Description of Samples:

Product: Co Co Call Eliminator
Brand Name: Co Co Call
Model Number: WM109U2
FCC ID: WDZCOCOCALL200

Date Samples Received:

2008-06-17, 2008-08-21

Date Tested:

2008-06-19 to 2008-08-25

Investigation Requested:

Perform ElectroMagnetic Interference measurement in
accordance with FCC 47CFR [Codes of Federal Regulations]
Part 15: 2007 and ANSI C63.4:2003 for FCC Certification.

Conclusions:

The submitted product COMPLIED with the requirements of
Federal Communications Commission [FCC] Rules and
Regulations Part 15. The tests were performed in accordance
with the standards described above and on Section 2.2 in this
Test Report.

Remarks:

Dr. LEE Kam Chuen,
ElectroMagnetic Compatibility Department
For and on behalf of
The Hong Kong Standards and Testing Centre Ltd.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org



STC Test Report

Date : 2008-09-09

Page 2 of 20

No. : HM161972

CONTENT:

| | | |
|-------------------|------------------------------------|------------------|
| Cover | Page 1 of 20 | |
| Content | Page 2-3 of 20 | |
| <u>1.0</u> | <u>General Details</u> | |
| 1.1 | Test Laboratory | Page 4 of 20 |
| 1.2 | Applicant Details | Page 4 of 20 |
| | Applicant | |
| | Manufacturer | |
| 1.3 | Equipment Under Test [EUT] | Page 5 of 20 |
| | Description of EUT operation | |
| 1.4 | Date of Order | Page 5 of 20 |
| 1.5 | Submitted Samples | Page 5 of 20 |
| 1.6 | Test Duration | Page 5 of 20 |
| 1.7 | Country of Origin | Page 5 of 20 |
| <u>2.0</u> | <u>Technical Details</u> | |
| 2.1 | Investigations Requested | Page 7 of 20 |
| 2.2 | Test Standards and Results Summary | Page 7 of 20 |
| <u>3.0</u> | <u>Test Results</u> | |
| 3.1 | Emission | Page 8-12 of 20 |
| 3.2 | Bandwidth Measurement | Page 13-14 of 20 |

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 3 of 20

No. : HM161972

Appendix A

List of Measurement Equipment

Page 15 of 20

Appendix B

Duty Cycle Correction During 100 msec

Page 16-17 of 20

Appendix C

Periodic Operation

Page 18 of 20

Appendix D

Photographs

Page 19-20 of 20

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 4 of 20

No. : HM161972

1.0 General Details

1.1 Test Laboratory

The Hong Kong Standards and Testing Centre Ltd.
EMC Laboratory
10 Dai Wang Street, Taipo Industrial Estate
New Territories, Hong Kong

Telephone: 852 2666 1888
Fax: 852 2664 4353

1.2 Applicant Details **Applicant**

Winbel Co Ltd
9C Fully Industrial Building, 6 Tsun Yip Lane, Kwun Tong Hong Kong

Manufacturer

Winbel Co Ltd
9C Fully Industrial Building, 6 Tsun Yip Lane, Kwun Tong Hong Kong

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 5 of 20

No. : HM161972

1.3 Equipment Under Test [EUT] Description of Sample

Product: Co Co Call Eliminator
Manufacturer: Winbel Co Ltd
Brand Name: Co Co Call
Model Number: WM109U2
Rating: 3Vd.c. ("AA" size battery x 2)

1.3.1 Description of EUT Operation

The Equipment Under Test (EUT) is a Winbel Co Ltd., Co Co Call Eliminator. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and the type is pulse modulation.

1.4 Date of Order

2008-06-17, 2008-08-21

1.5 Submitted Sample(s):

2 Samples

1.6 Test Duration

2008-06-19 to 2008-08-25

1.7 Country of Origin

China

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 6 of 20

No. : HM161972

2.0 Technical Details

2.1 Investigations Requested

Perform ElectroMagnetic Interference measurement in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15 2007 and ANSI C63.4:2003 for FCC Certification.

2.2 Test Standards and Results Summary Tables

| EMISSION Results Summary | | | | | |
|--|-------------------|-----------------|---------------------|-------------------------------------|--------------------------|
| Test Condition | Test Requirement | Test Method | Class / Severity | Test Result | |
| | | | | Pass | Failed |
| Field Strength of Fundamental Emissions & Spurious Emissions | FCC 47CFR 15.231a | ANSI C63.4:2003 | N/A | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Radiated Emissions, 30MHz to 1GHz | FCC 47CFR 15.209 | ANSI C63.4:2003 | N/A | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Note: N/A - Not Applicable

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 7 of 20

No. : HM161972

3.0 Test Results

3.1 Emission

3.1.1 Radiated Emissions (30 – 1000MHz)

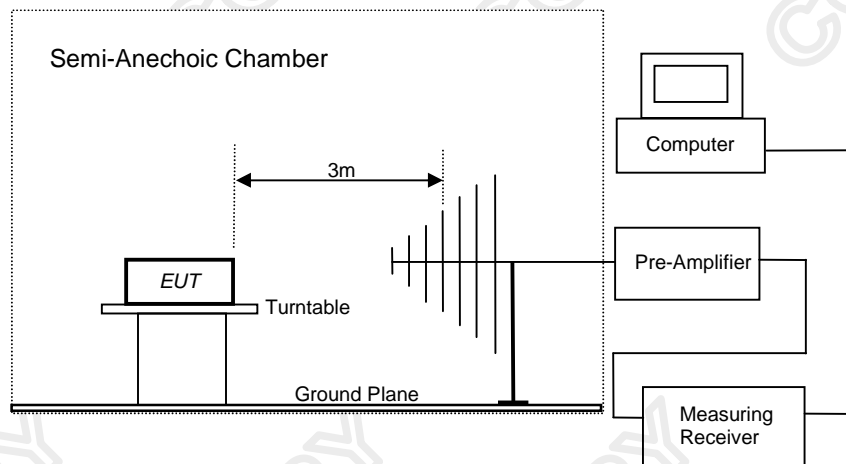
Test Requirement: FCC 47CFR 15.231a
Test Method: ANSI C63.4:2003
Test Date: 2008-08-25
Mode of Operation: Tx mode

Test Method:

The sample was placed 0.8m above the ground plane of semi-anechoic Chamber*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

*: Semi-anechoic chamber located on the G/F of The Hong Kong Standards and Testing Centre Ltd. with a metal ground plane filed with the FCC pursuant to section 2.948 of the FCC rules, with Registration Number: 607756.

Test Setup:



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 8 of 20

No. : HM161972

Limits for Field Strength of Fundamental Emissions [FCC 47CFR 15.231a]:

| Frequency Range of Fundamental [MHz] | Field Strength of Fundamental Emission [Average] [$\mu\text{V/m}$] | Field Strength of Spurious Emission [Average] [$\mu\text{V/m}$] |
|---|--|---|
| 40.66-40.70 | 2,250 | 225 |
| 70-130 | 1,250 | 125 |
| 130-174 | 1,250 to 3,750 * | 125 to 375 * |
| 174-260 | 3,750 | 375 |
| 260-470 | 3,750 to 12,500 * | 375 to 1,250 * |
| Above 470 | 12,500 | 1,250 |

Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz, $\mu\text{V/m}$ at 3 meters = $56.81818(F) - 6136.3636$; for the band 260-470 MHz, $\mu\text{V/m}$ at 3 meters = $41.6667(F) - 7083.3333$. The maximum permissible unwanted emission level is 20dB below the maximum permitted fundamental level.

Results:

| Field Strength of Fundamental Emissions Peak Value | | | | | | |
|---|---|------------------------------|---|--------------------------------------|---------------------------------|---------------------|
| Frequency MHz | Measured Level @3m dB μV | Correction Factor dB/m | Field Strength dB $\mu\text{V/m}$ | Field Strength $\mu\text{V/m}$ | Limit @3m $\mu\text{V/m}$ | E-Field Polarity |
| 315.00 | 65.1 | 16.1 | 81.2 | 11481.5 | 60,416.8 | Horizontal |

| Field Strength of Fundamental Emissions Average Value | | | | | | |
|--|---|------------------------------|---|--------------------------------------|---------------------------------|---------------------|
| Frequency MHz | Measured Level @3m dB μV | Correction Factor dB/m | Field Strength dB $\mu\text{V/m}$ | Field Strength $\mu\text{V/m}$ | Limit @3m $\mu\text{V/m}$ | E-Field Polarity |
| 315.00 | 58.7 | 16.1 | 74.8 | 5495.4 | 6,041.7 | Horizontal |

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 9 of 20

No. : HM161972

Results:

| Field Strength of Spurious Emissions Average Value | | | | | | |
|---|-------------------------------------|------------------------------|-----------------------------------|--------------------------------|------------------------|---------------------|
| Frequency MHz | Measured Level @3m dB μ V | Correction Factor dB/m | Field Strength dB μ V/m | Field Strength μ V/m | Limit @3m μ V/m | E-Field Polarity |
| 629.90 | 7.6 | 23.1 | 30.7 | 34.3 | 6,041.7 | Horizontal |
| 630.00 | < 1.0 | 29.1 | < 30.1 | < 32.0 | 6,041.7 | Vertical |
| 945.10 | 6.8 | 26.5 | 33.3 | 46.2 | 6,041.7 | Horizontal |
| 1260.00 | < 1.0 | 32.2 | < 33.2 | < 45.7 | 6,041.7 | Vertical |
| + 1575.00 | < 1.0 | 38.8 | < 39.8 | < 97.7 | 5,000.0 | Vertical |
| 1890.00 | < 1.0 | 17.4 | < 18.4 | < 8.3 | 6,041.7 | Vertical |
| + 2205.00 | < 1.0 | 17.2 | < 18.2 | < 8.1 | 5,000.0 | Vertical |
| 2520.00 | < 1.0 | 18.8 | < 19.8 | < 9.8 | 6,041.7 | Vertical |
| + 2835.00 | < 1.0 | 19.7 | < 20.7 | < 10.8 | 5,000.0 | Vertical |
| 3150.00 | < 1.0 | 20.6 | < 21.6 | < 12.0 | 6,041.7 | Vertical |

Remarks:

*: Adjusted by Duty Cycle = -6.4dB

FCC Limit for Average Measurement = $41.6667(315\text{MHz}) - 7083.3333 = 6,041.6772\mu\text{V/m}$

+: Denotes restricted band of operation.

Measurements were made using a peak detector. Any emission less than 1000 MHz and falling within the restricted bands of FCC Rules Part 15 Section 15.205 were not adjusted for averaging and the limits of FCC Rules Part 15 Section 15.209 were applied.

Correction Factor includes Antenna Factor and Cable Attenuation.

Calculated measurement uncertainty : 30MHz to 1GHz 5.2dB

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org



STC Test Report

Date : 2008-09-09

Page 10 of 20

No. : HM161972

Limits for Radiated Emissions [FCC 47 CFR 15.209]:

| Frequency Range [MHz] | Quasi-Peak Limits [$\mu\text{V/m}$] |
|--------------------------|--|
| 30-88 | 100 |
| 88-216 | 150 |
| 216-960 | 200 |
| Above 960 | 500 |

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Results :

| Radiated Emissions Quasi-Peak | | | | | | |
|---|---|------------------------------|---|--------------------------------------|------------------------------|---------------------|
| Frequency MHz | Measured Level @3m dB μV | Correction Factor dB/m | Field Strength dB $\mu\text{V/m}$ | Field Strength $\mu\text{V/m}$ | Limit @3m $\mu\text{V/m}$ | E-Field Polarity |
| Emissions detected are more than 20 dB below the FCC Limits | | | | | | |

Remarks:

No further spurious emissions found between lowest internal frequency and 30MHz

Correction Factor includes Antenna Factor and Cable Attenuation.

Calculated measurement uncertainty : 30MHz to 1GHz 5.2dB

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 11 of 20

No. : HM161972

3.2 20dB Bandwidth of Fundamental Emission

| | |
|--------------------|----------------------------------|
| Test Requirement: | FCC 47 CFR 15.231a |
| Test Method: | ANSI C63.4:2003 (Section 13.1.7) |
| Test Date: | 2007-08-12 |
| Mode of Operation: | On mode |

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

Test Setup:

As Test Setup of clause 3.1.1 in this test report.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 12 of 20

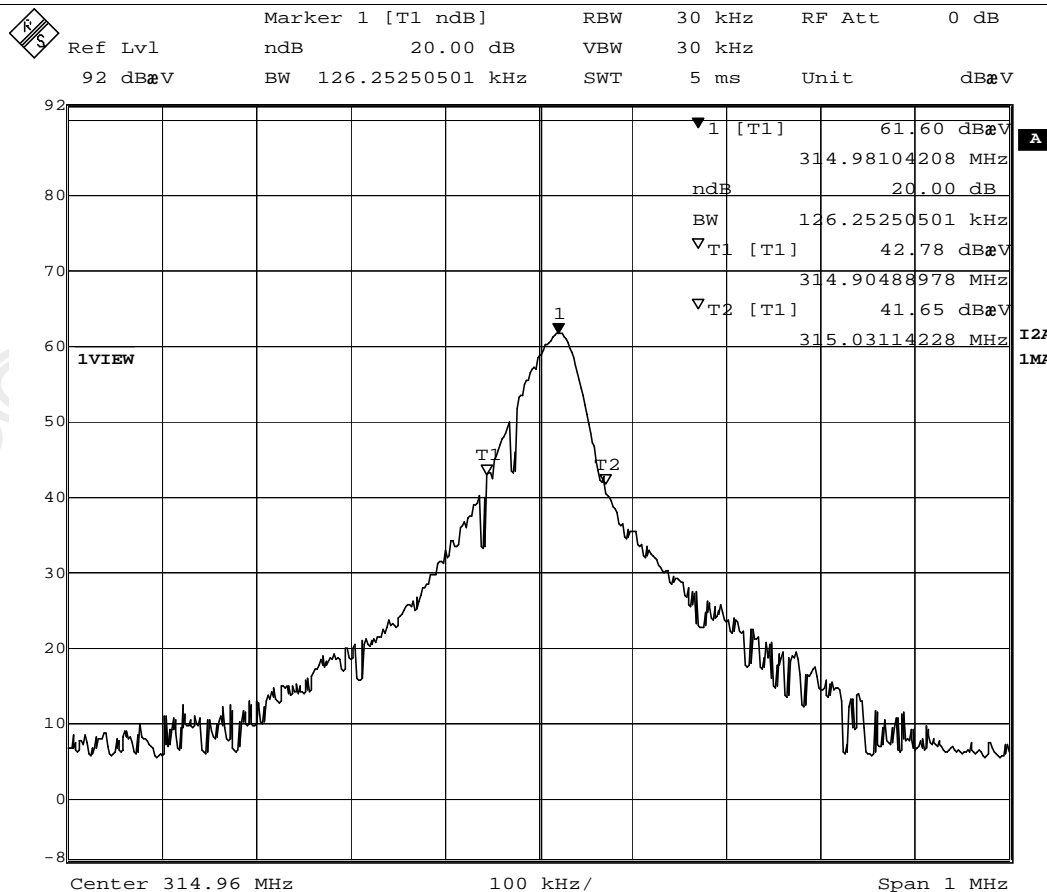
No. : HM161972

Limits for 20 dB Bandwidth of Fundamental Emission:

| Frequency Range [MHz] | 20dB Bandwidth [KHz] | FCC Limits * [KHz] |
|--------------------------|-------------------------|-----------------------|
| 314.98 | 126.25 | 787.45 |

*: FCC Limit for Bandwidth measurement
= (0.25%)(Center Frequency)
= (0.0025)(314.98)
= 787.45KHz

20dB Bandwidth of Fundamental Emission



Date: 12.AUG.2008 18:39:06

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 13 of 20

No. : HM161972

Appendix A

List of Measurement Equipment

Radiated Emission

| EQP NO. | DESCRIPTION | MANUFACTURER | MODEL NO. | SERIAL NO. | LAST CAL | DUE CAL |
|---------|----------------------------|-----------------|-----------|------------|------------|------------|
| EM020 | HORN ANTENNA | EMCO | 3115 | 4032 | 2006/07/11 | 2009/07/11 |
| EM215 | MULTIDEVICE CONTROLLER | EMCO | 2090 | 00024676 | N/A | N/A |
| EM216 | MINI MAST SYSTEM | EMCO | 2075 | 00026842 | N/A | N/A |
| EM217 | ELECTRIC POWERED TURNTABLE | EMCO | 2088 | 00029144 | N/A | N/A |
| EM218 | ANECCHOIC CHAMBER | ETS-Lindgren | FACT-3 | -- | 2006/05/02 | 2009/05/02 |
| EM174 | BICONILOG ANTENNA | EMCO | 3142C | 00029071 | 2008/01/24 | 2009/01/24 |
| EM181 | EMI TEST RECEIVER | ROHDE & SCHWARZ | ESIB7 | 100072 | 2008/06/16 | 2009/06/16 |
| EM022 | LOOP ANTENNA | EMCO | 6502 | 1189-2424 | 2006/07/26 | 2009/07/26 |

Line Conducted

| EQP NO. | DESCRIPTION | MANUFACTURER | MODEL NO. | SERIAL NO. | LAST CAL | DUE CAL |
|---------|-------------------|-------------------------------------|-----------|-----------------|------------|------------|
| EM197 | LISN | EMCO | 4825/2 | 1193 | 2007/10/30 | 2009/10/30 |
| EM181 | EMI TEST RECEIVER | ROHDE & SCHWARZ | ESIB7 | 100072 | 2008/06/16 | 2009/06/16 |
| EM154 | SHIELDING ROOM | SIEMENS MATSUSHITA COMPONENTS | N/A | 803-740-057-99A | 2008/01/23 | 2009/01/23 |

Remarks:-

CM Corrective Maintenance
N/A Not Applicable or Not Available
TBD To Be Determined

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 14 of 20

No. : HM161972

Appendix B

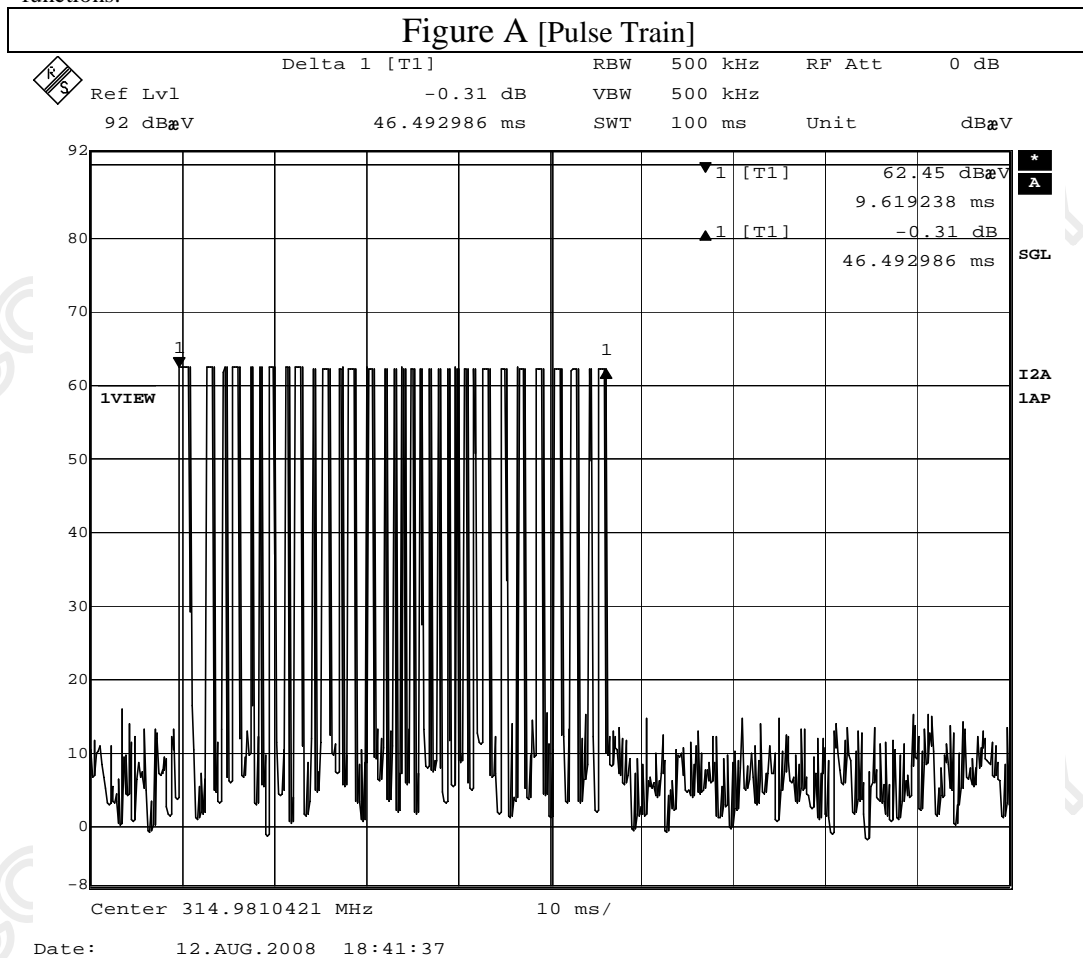
Duty Cycle Correction During 100msec

Each function key sends a different series of characters, but each packet period (46.5msec) never exceeds a series of 15 long (0.962msec) or 18 short (0.441msec) pulses. Assuming any combination of short and long pulses may be obtained due to encoding the worst case transmit duty cycle would be considered $(15 \times 0.962) + (18 \times 0.441)$ msec per 46.5msec = 48.1% duty cycle. Figure A through D show the characteristics of the pulses train for one of these functions.

Remarks:

Duty Cycle Correction = $20\text{Log}(0.481) = -6.4\text{dB}$

The following figures [Figure A to Figure D] showed the characteristics of the pulse train for one of these functions.



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



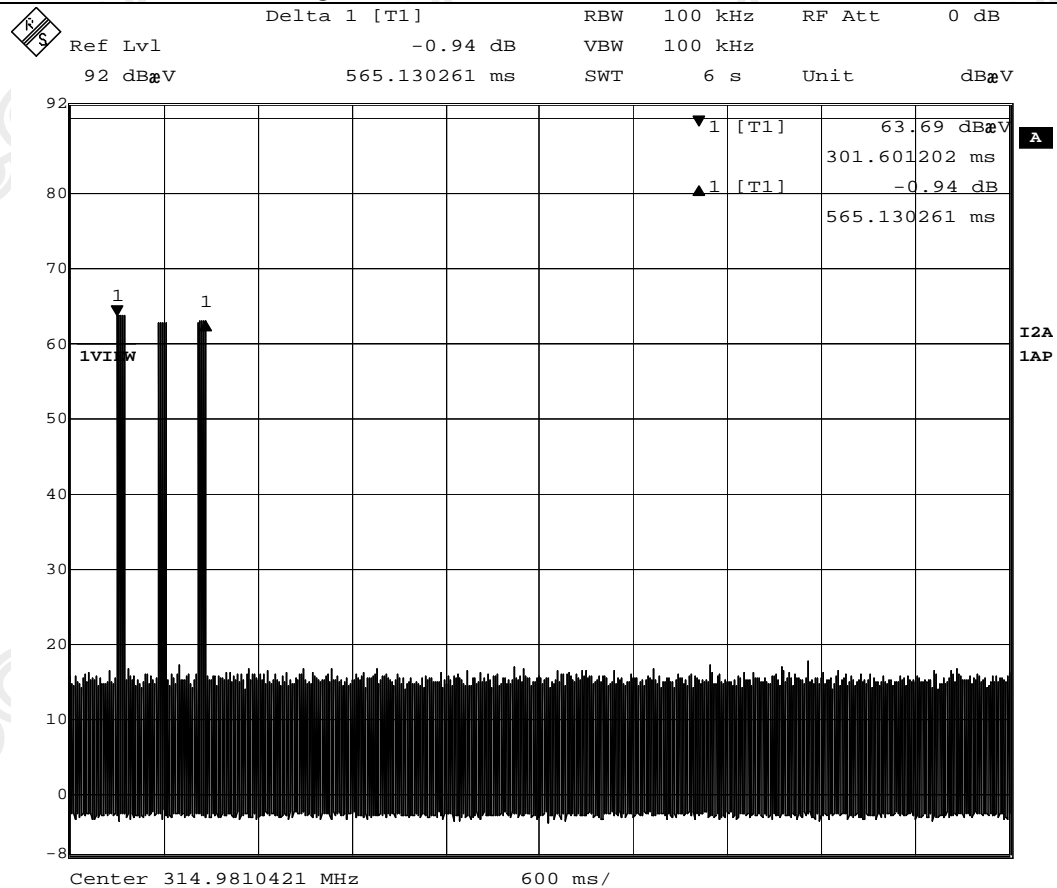
STC Test Report

Date : 2008-09-09

Page 15 of 20

No. : HM161972

Figure B [Transmission after activation]



Date: 12.AUG.2008 18:40:09

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



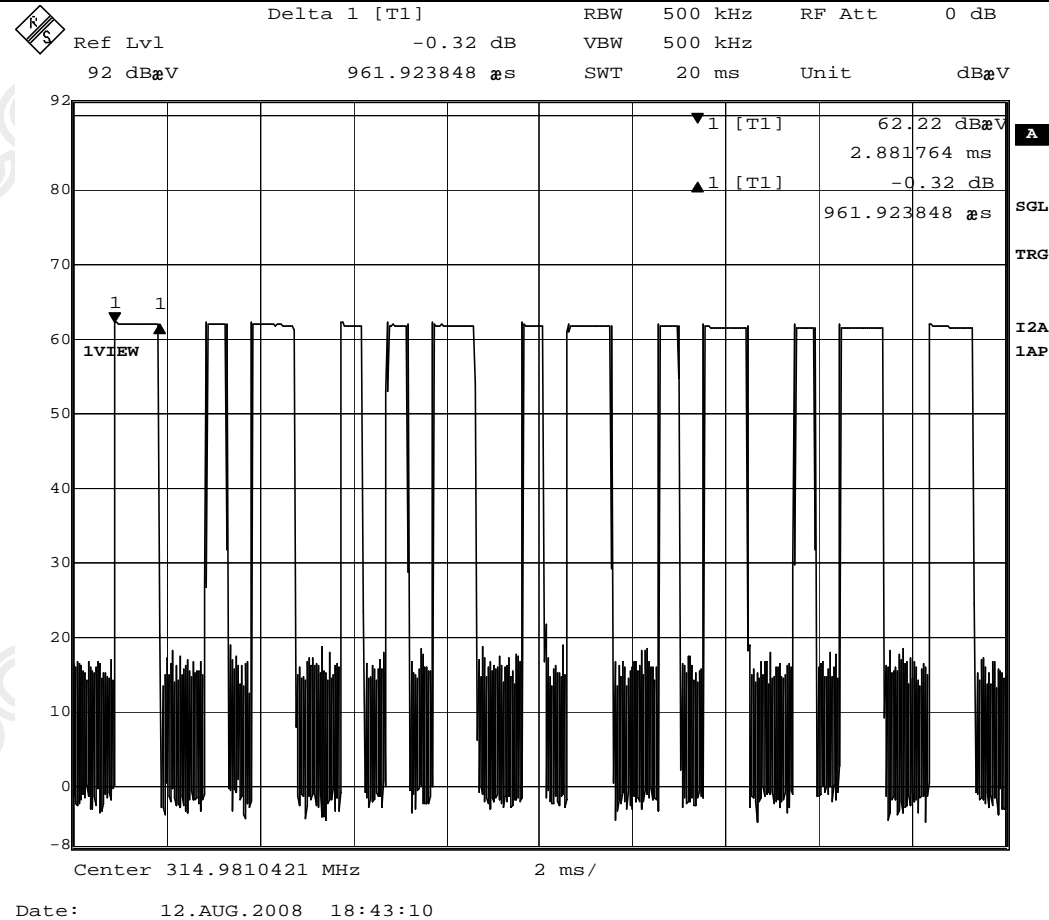
STC Test Report

Date : 2008-09-09

Page 16 of 20

No. : HM161972

Figure B [Long Pulse]



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Tai Po Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



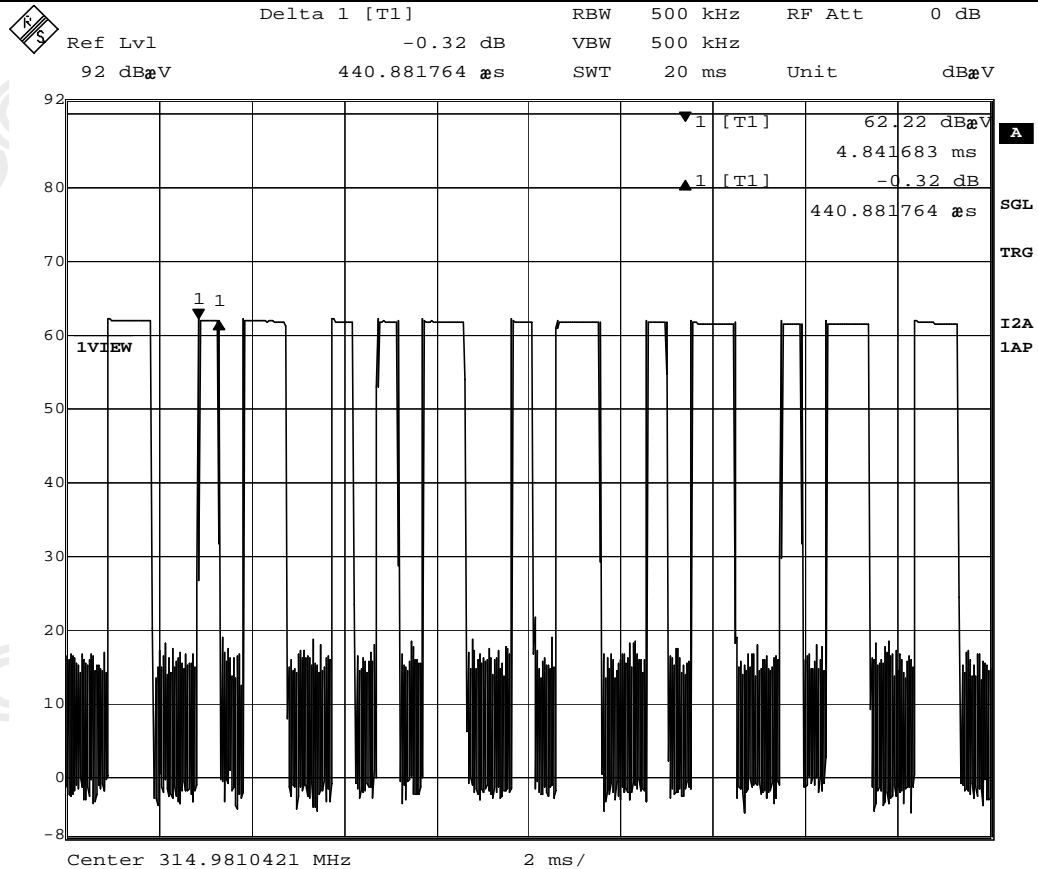
STC Test Report

Date : 2008-09-09

Page 17 of 20

No. : HM161972

Figure C [Short Pulse]



Date: 12.AUG.2008 18:43:36

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 18 of 20

No. : HM161972

Appendix C

Periodic Operation [FCC 47CFR 15.231(a2)]

According to FCC 47CFR15.231 (a2). A transmitter automatically activated must automatically deactivate within not more than 5 seconds of being released. The EUT ceases transmission almost immediately upon being released and appears to finish the current packet being transmitted. Therefore the longest period of time the transmitter should take to deactivate is a packet length.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 19 of 20

No. : HM161972

Appendix D

Photographs of EUT

Front View of the product



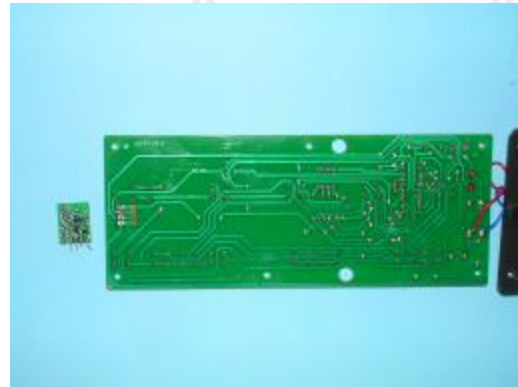
Rear View of the product



Inner Circuit Top View



Inner Circuit Bottom View



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taiipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2008-09-09

Page 20 of 20

No. : HM161972

Photographs of EUT

Measurement of Radiated Emission Test Set Up



******* End of Test Report *******

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Tai Po Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage