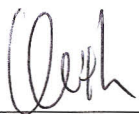
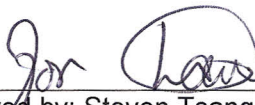




TEST REPORT No: (5210)013-0248

TEST REPORT

| | | | |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|
| To: | PANLINE USA, INC. DBA ALEX® | To: | - |
| Attn: | Drew Metz | Attn: | - |
| Address: | 251 Union Street, Northvale, NJ07647 | Address: | - |
| Fax: | 201-750-8032 | Fax: | - |
| E-mail: | dmetz@alextoys.com | E-mail: | - |
| Folder No.: | BVCK10JA153MTHS-B | | |
| Factory name: | -- | | |
| Location: | -- | | |
| Product: | Talk of the Farm MODEL: 48M | | |
| | | Sample No: | (5210)013-0248 |
| | | Test date: | January 18, 2010 to January 21, 2010 |
| | | Test Requested: | FCC Part 15 - 2008 |
| | | Test Method: | ANSI C63.4 - 2003 |
| | | FCC ID: | XX3-48M |
| The results given in this report are related to the tested specimen of the described electrical apparatus. | | | |
| CONCLUSION: The submitted sample was found to COMPLY with requirement of FCC Part 15 Subpart C. | | | |
| Authorized Signature: | | | |
|  | |  | |
| | | | |
| Reviewed by: Keith Yeung | | Approved by: Steven Tsang | |
| Date: January 27, 2010 | | Date: January 27, 2010 | |

BUREAU VERITAS HONG KONG LIMITED –
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This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report, provided, however, such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



TEST REPORT No: (5210)013-0248

Location of the test laboratory

Radiated and Conducted emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003. An Open Area Test Site and Full Anechoic Chamber (FCC Listed Site, Registration No. 642151) are set up for investigation and located at :

BUREAU VERITAS HONG KONG LIMITED, EMC CENTRE

No. 2106-2107, 21/F., Westin Centre,
26 Hung To Road,
Kwun Tong, Kowloon,
Hong Kong

List of measuring equipment

Radiated Emission

| EQUIPMENT | MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATION DUE |
|---------------------|--------------|-----------|--------------|-----------------|
| EMI TEST RECEIVER | R&S | ESCI | 100379 | 24-AUG-2010 |
| LOOP ANTENNA | ETS-LINDGREN | 6502 | 00102266 | 12-MAY-2010 |
| BILOG ANTENNA | SCHAFFNER | CBL6112D | 25229 | 31-MAY-2010 |
| OPEN AREA TEST SITE | BVCPS | N/A | N/A | 03-JULY-2010 |
| ANECHOIC CHAMBER | ALBATROSS | M-CDC | 80374004499B | 07-JULY-2010 |
| COAXIAL CABLE | SUHNER | N/A | N/A | 11-MAY-2010 |
| SPECTRUM ANALYZER | ADVANTEST | R3127 | 111000909 | 17-DEC-2010 |

Conducted Emission

| EQUIPMENT | MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATION DUE |
|-------------------|--------------|-----------|------------|-----------------|
| EMI TEST RECEIVER | R&S | ESCS30 | 830986/030 | 26-SEP-2010 |
| LISN | R&S | ENV216 | 100024 | 25-MAR-2010 |

Frequency error and Frequency drift, Modulation bandwidth, Frequency stability

| EQUIPMENT | MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATION DUE |
|-------------------|-----------------|-----------|------------|-----------------|
| EMI TEST RECEIVER | ROHDE & SCHWARZ | ESCI | 100379 | 24-AUG-2010 |
| CLIMATIC CHAMBER | EMV | TH-22P2S | N/A | 21-MAY-2010 |

Remarks:-

N/A : Not Applicable or Not Available

The measurement instrumentation uncertainty would be taking into consideration on each of the test result



TEST REPORT No: (5210)013-0248

Equipment Under Test [EUT]

Description of Sample:

Model Name: Talk of the Farm
Model Number: 48M
Rating: 4.5Vd.c ("AA" size battery x 3)

Description of EUT Operation:

The Equipment Under Test (EUT) is a Panline USA, Inc., dba ALEX® of RFID toy. The transceiver with 7 Passive Tags is operating at 13.56MHz. The transceiver continues to transmit when buttons is turn to ON and the Passive Tags provoked the signal transmission when the transceiver track on them. Modulation by IC, and type is amplitude modulation.

The transceiver has different control:

1. ON/OFF button – on/off control

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. The antenna is soldered on the PCB. The antenna is not replaceable or user serviceable. The requirements of S15.203 are met. There are no deviations or exceptions to the specifications.

TEST REPORT No: (5210)013-0248

Radiated Emissions (Fundamental)

Test Requirement: FCC Part 15 Section 15.225

Test Method: ANSI C63.4

Test Date(s): 2010-01-18

Mode of Operation: Transmission mode

Test Procedure:

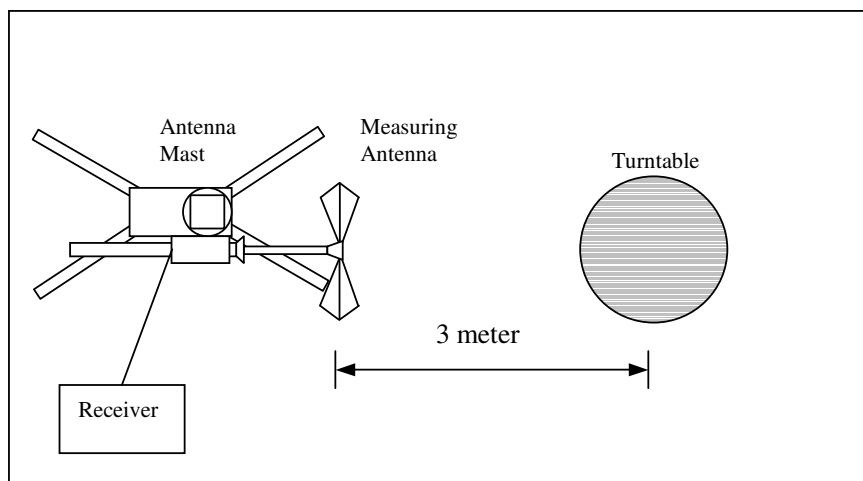
Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. 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. For battery operated equipment, the equipment tests shall be performed using new battery. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

For below 30MHz, a loop antenna with its vertical plane is placed 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.

Location: The Roof, Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

Test Setup: Open Area Test Site





TEST REPORT No: (5210)013-0248

Limits for Field Strength of Fundamental Emissions [FCC 47CFR 15.225]:

| Frequency Range of Fundamental [MHz] | Field Strength of Fundamental Emission |
|-----------------------------------------|----------------------------------------|
| 13.553-13.567 | 124 dB μ V/m |

Measurement Data

Test Result of (Transmission mode): PASS

Detection mode: Quasi-Peak

| Frequency (MHz) | Polarity (H/V) and degree | Antenna Factor and Cable Loss (dB/m) | Field Strength at 3m (dB μ V/m) | Limit at 3m (dB μ V/m) | Margin (dB) |
|-----------------|---------------------------|--------------------------------------|-------------------------------------|----------------------------|-------------|
| 13.56 | H/0° | 11.5 | 47.1 | 124.0 | -76.9 |

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 120KHz
VBW = 120KHz



TEST REPORT No: (5210)013-0248

Radiated Emissions (9kHz – 1GHz)

Test Requirement: FCC Part 15 Section 15.209

Test Method: ANSI C63.4

Test Date(s): 2010-01-18

Mode of Operation: **Transmission mode**

Limits for Radiated Emissions [FCC 47 CFR 15.209]:

| Frequency Range [MHz] | Quasi-Peak Limits [μ V/m] |
|--------------------------|-----------------------------------|
| 1.705-30 | 300 |
| 30-88 | 100 |
| 88-216 | 150 |
| 216-960 | 200 |
| Above 960 | 500 |

Measurement Data

Test Result of (Transmission mode): PASS

Detection mode: Quasi-Peak

| Frequency (MHz) | Polarity (H/V) | Antenna Factor and Cable Loss (dB/m) | Field Strength at 3m (dB μ V/m) | Limit at 3m (dB μ V/m) | Margin (dB) |
|--------------------|-------------------|--------------------------------------------|----------------------------------------|-------------------------------|----------------|
| 27.12 | H | 10.0 | 20.9 | 69.5 | -48.6 |
| 40.68 | H | 13.2 | 28.6 | 40.0 | -11.4 |
| 54.24 | H | 8.5 | 25.4 | 40.0 | -14.6 |
| 67.80 | H | 7.5 | 23.0 | 40.0 | -17.0 |
| 81.36 | V | 7.9 | 20.6 | 40.0 | -19.4 |
| 94.92 | H | 10.1 | 23.4 | 43.5 | -20.1 |
| 108.48 | H | 11.0 | 25.2 | 43.5 | -18.3 |
| 122.04 | V | 10.9 | 26.3 | 43.5 | -17.2 |
| 135.60 | H | 10.9 | 26.2 | 43.5 | -17.3 |
| 149.16 | H | 11.0 | 26.5 | 43.5 | -17.0 |

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 120KHz
VBW = 120KHz



TEST REPORT No: (5210)013-0248

26dB Bandwidth of Fundamental Emission

Test Requirement: FCC 47 CFR 15.225
Test Method: ANSI C63.4:2003 (Section 13.1.7)
Test Date: 2010-01-18
Mode of Operation: Transmission 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.

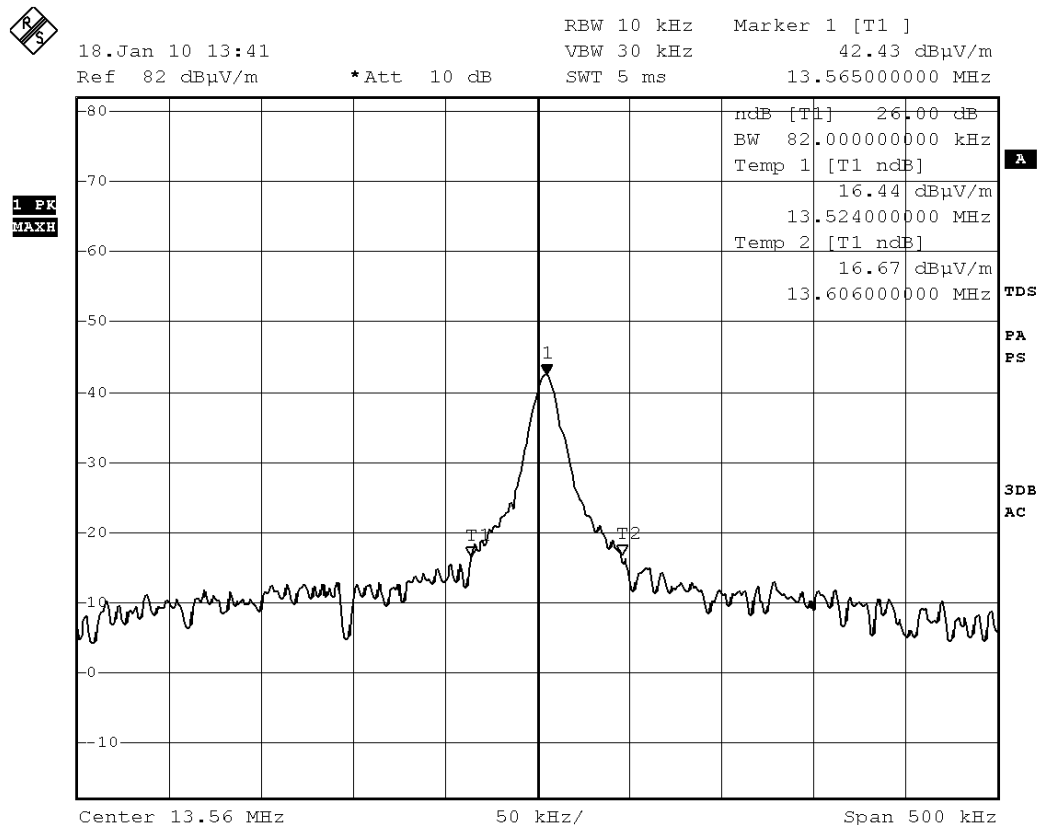
Limits for 26dB Bandwidth of Fundamental Emission:

| Frequency [MHz] | 26dB Bandwidth [KHz] |
|--------------------|-------------------------|
| 13.565 | 82.000 |

TEST REPORT No: (5210)013-0248

Measurement Data :

Test Result of 26dB Bandwidth of Fundamental Emission: PASS



Date: 18.JAN.2010 13:41:24



TEST REPORT No: (5210)013-0248

Frequency Drift

Test Requirement: FCC Part 15 Section 15.225

Test Method: ANSI C63.4

Test Date(s): 2010-01-21

Mode of Operation: Transmission mode

Test Setup:

The EUT was placed at a site with temperature control and supplied with power for extreme voltage testing. Antenna with suitable frequency range was used during the test.

The test was performed in accordance with ANSI C63.4.

Location: Anechoic Chamber, No. 2106-2107, 21/F., Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

Limit for Frequency Tolerance:

Maintained within +/- 0.01% of the operating frequency

Test Result of (Transmission mode): PASS

| Test Condition | | Nominal Transmit Frequency: 13.560MHz | | | | |
|--------------------------|--------------------------|---------------------------------------|-------------------|--------------------|-------------------|-------------------------|
| | | Time | | | | |
| | | Start up | Two minutes after | Five minutes after | Ten minutes after | Frequency tolerance (%) |
| T _{nom} : 20°C | V _{nom} : 4.50V | 13.56446 | 13.56446 | 13.56446 | 13.56446 | 0.00000 |
| T _{min} : -20°C | V _{nom} : 4.50V | 13.56446 | 13.56475 | 13.56475 | 13.65475 | 0.00214 |
| T _{max} : 50°C | V _{nom} : 4.50V | 13.56446 | 13.56446 | 13.56446 | 13.56446 | 0.00000 |

Remarks:-

N/A: Not Applicable or Not Available

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