






**BUREAU
VERITAS**

TEST REPORT No: (5211)245-0051

TEST REPORT

To:	SILVERLIT TOYS MANUFACTORY LIMITED	To:	-
Attn:	Mr. Edmond Chan	Attn:	-
Address:	17 th Floor World Trade Centre, 280 Gloucester Road, Cause Bay, Hong Kong	Address:	-
Fax:	28348797	Fax:	-
E-mail:	edmond@silverlit.com	E-mail:	-
Folder No.:	ITM-11AU371ETHS-B-A		
Factory name:	--		
Location:	--		
Product:	Enzo Ferrari Model No.: 86067		
	Sample No:	HK110825/001	
	Test date:	September 12, 2011	
	Test Requested:	FCC Part 15 - 2010	
	Test Method:	ANSI C63.4 - 2003	
	FCC ID:	OYK-TX00024G-1107	
The results given in this report are related to the tested specimen of the described electrical apparatus.			
CONCLUSION: The submitted sample was found to <u>COMPLY</u> with requirement of FCC Part 15 Subpart C.			
Authorized Signature:			
			
Reviewed by: Keith Yeung		Approved by: Steven Tsang	
Date: September 21, 2011		Date: September 21, 2011	

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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: (5211)245-0051

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	05-SEP-2012
LOOP ANTENNA	ETS-LINDGREN	6502	00102266	12-MAY-2012
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	01-AUG-2012
OPEN AREA TEST SITE	BVCPS	N/A	N/A	07-JUL-2012
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	26-OCT-2011
COAXIAL CABLE	SUHNER	N/A	N/A	19-SEP-2011

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: (5211)245-0051

Equipment Under Test [EUT]

Description of Sample:

Model Name: Enzo Ferrari
Model Number: 86067
Rating: 6Vd.c. ("AA" size battery x 4)

Description of EUT Operation:

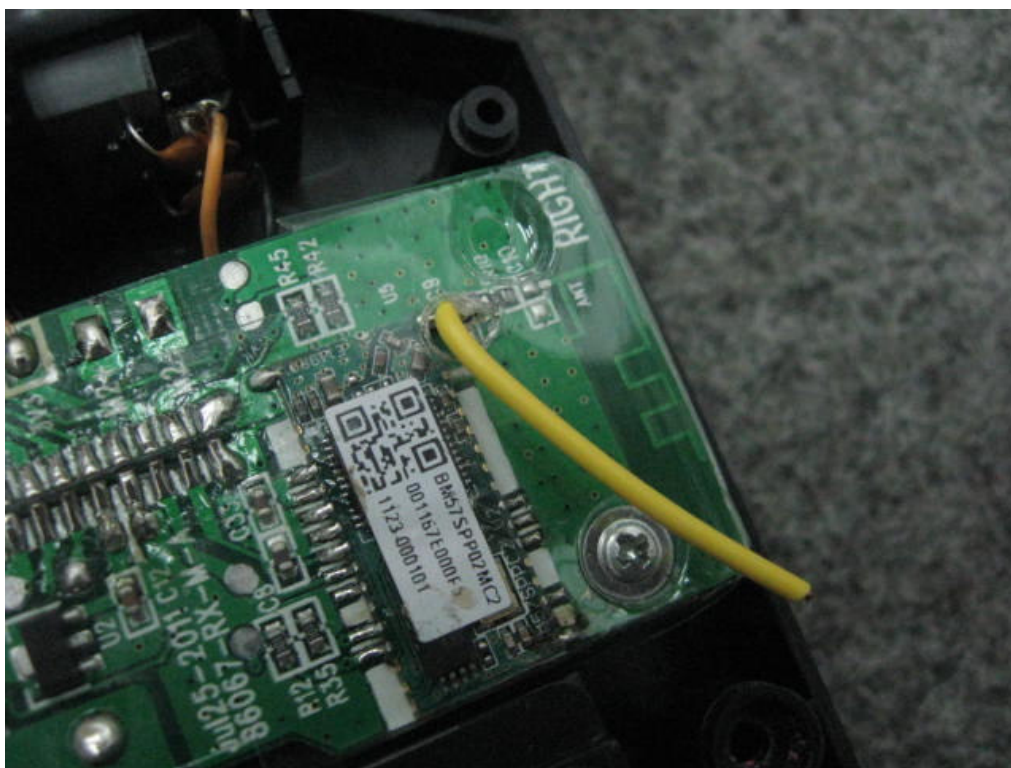
The Equipment Under Test (EUT) is a **SILVERLIT TOYS MANUFACTORY LIMITED** of Remote Control Transceiver. It is a 1 switch transceiver and operating at 2402MHz to 2480MHz. The lowest, middle and highest frequencies were tested and the results are shown in the report. The EUT transmit while buttons is being pressed at the operate interface, Modulation by IC, and type is FHSS.

The transmitter has different control:

1. ON/OFF switch – ON/OFF control

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. It 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: (5211)245-0051

Radiated Emissions (Fundamental)

Test Requirement: FCC Part 15 Section 15.249
Test Method: ANSI C63.4
Test Date(s): 2011-09-12
Temperature: 28.0 °C
Humidity: 71.0 %
Atmospheric Pressure: 100.5 kPa
Mode of Operation: Transmission mode
Tested Voltage: 6Vd.c. ("AA" size battery x 4)

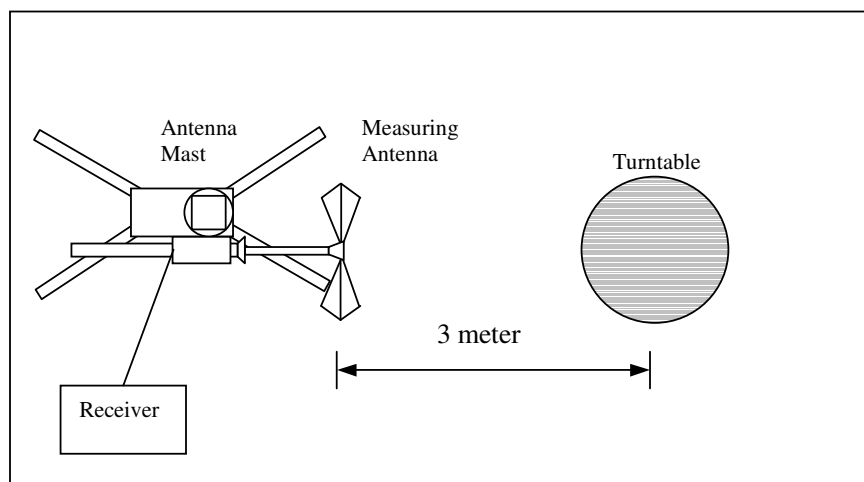
Test Procedure:

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 perform 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.

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

Test Setup: Open Area Test Site





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Limits for Field Strength of Fundamental Emissions [FCC 47CFR 15.249]:

Frequency Range of Fundamental [MHz]	Field Strength of Fundamental Emission (Average) [mV/m]	Field Strength of Harmonics Emission (Average) [μV/m]
2400-2483.5	50	500

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Detection mode: Peak

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2402.00	H	-3.2	78.3	114.0	-35.7
2402.00	V	-3.2	87.3	114.0	-26.7

Detection mode: # Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2402.00	H	-3.2	**68.9	94.0	-25.1
2402.00	V	-3.2	**77.9	94.0	-16.1

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.337) = -9.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Middle frequency): PASS

Detection mode: Peak

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2441.00	H	-3.3	82.8	114.0	-31.2
2441.00	V	-3.3	87.4	114.0	-26.6

Detection mode: # Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2441.00	H	-3.3	**73.4	94.0	-20.6
2441.00	V	-3.3	**78.0	94.0	-16.0

Test Result of (Transmission mode, Highest frequency): PASS

Detection mode: Peak

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2480.00	H	-3.3	81.1	114.0	-32.9
2480.00	V	-3.3	84.9	114.0	-29.1

Detection mode: # Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
2480.00	H	-3.3	**71.7	94.0	-22.3
2480.00	V	-3.3	**75.5	94.0	-18.5

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.337) = -9.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz

VBW = 1MHz



TEST REPORT No: (5211)245-0051

Radiated Emissions (Spurious Emission)

Test Requirement: FCC Part 15 Section 15.249
 Test Method: ANSI C63.4
 Test Date(s): 2011-09-12
 Temperature: 28.0 °C
 Humidity: 71.0 %
 Atmospheric Pressure: 100.5 kPa
 Mode of Operation: Transmission mode
 Tested Voltage: 6Vd.c. ("AA" size battery x 4)

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Detection mode: 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)
4804.00	H	2.9	45.5	74.0	-28.5
7206.00	H	10.2	51.2	74.0	-22.8
9608.00	H	11.1	49.7	74.0	-24.3
12010.00	H	16.5	56.3	74.0	-17.7
14412.00	H	23.6	57.8	74.0	-16.2
16814.00	H	21.9	58.1	74.0	-15.9
19216.00	H	23.7	54.9	74.0	-19.1
21618.00	H	25.2	54.4	74.0	-19.6
24020.00	H	26.3	53.2	74.0	-20.8
26422.00	H	27.5	54.6	74.0	-19.4

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
 VBW = 1MHz



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Detection mode: 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)
4804.00	V	2.9	53.2	74.0	-20.8
7206.00	V	10.2	50.8	74.0	-23.2
9608.00	V	11.1	49.5	74.0	-24.5
12010.00	V	16.5	56.2	74.0	-17.8
14412.00	V	23.6	57.5	74.0	-16.5
16814.00	V	21.9	58.1	74.0	-15.9
19216.00	V	23.7	56.2	74.0	-17.8
21618.00	V	25.2	54.1	74.0	-19.9
24020.00	V	26.3	53.5	74.0	-20.5
26422.00	V	27.5	56.6	74.0	-17.4

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



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TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Detection mode: #Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4804.00	H	2.9	**36.1	54.0	-17.9
7206.00	H	10.2	**41.8	54.0	-12.2
9608.00	H	11.1	**40.3	54.0	-13.7
12010.00	H	16.5	**46.9	54.0	-7.1
14412.00	H	23.6	**48.4	54.0	-5.6
16814.00	H	21.9	**48.7	54.0	-5.3
19216.00	H	23.7	**45.5	54.0	-8.5
21618.00	H	25.2	**45.0	54.0	-9
24020.00	H	26.3	**43.8	54.0	-10.2
26422.00	H	27.5	**45.2	54.0	-8.8

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4804.00	V	2.9	**43.8	54.0	-10.2
7206.00	V	10.2	**41.4	54.0	-12.6
9608.00	V	11.1	**40.1	54.0	-13.9
12010.00	V	16.5	**46.8	54.0	-7.2
14412.00	V	23.6	**48.1	54.0	-5.9
16814.00	V	21.9	**48.7	54.0	-5.3
19216.00	V	23.7	**46.8	54.0	-7.2
21618.00	V	25.2	**44.7	54.0	-9.3
24020.00	V	26.3	**44.1	54.0	-9.9
26422.00	V	27.5	**47.2	54.0	-6.8

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.337) = -9.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz

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TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Middle frequency): PASS

Detection mode: 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)
4882.00	H	2.9	47.2	74.0	-26.8
7323.00	H	10.7	51.5	74.0	-22.5
9764.00	H	11.4	50.9	74.0	-23.1
12205.00	H	16.5	56.2	74.0	-17.8
14646.00	H	23.5	55.0	74.0	-19
17087.00	H	22.1	57.0	74.0	-17
19528.00	H	23.9	55.4	74.0	-18.6
21969.00	H	25.3	55.1	74.0	-18.9
24410.00	H	26.6	54.9	74.0	-19.1
26851.00	H	27.7	55.2	74.0	-18.8

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dB V/m)	Limit at 3m (dB V/m)	Margin (dB)
4882.00	V	2.9	53.8	74.0	-20.2
7323.00	V	10.7	51.2	74.0	-22.8
9764.00	V	11.4	52.3	74.0	-21.7
12205.00	V	16.5	56.7	74.0	-17.3
14646.00	V	23.5	54.9	74.0	-19.1
17087.00	V	22.1	58.2	74.0	-15.8
19528.00	V	23.9	55.4	74.0	-18.6
21969.00	V	25.3	55.8	74.0	-18.2
24410.00	V	26.6	55.3	74.0	-18.7
26851.00	V	27.7	55.9	74.0	-18.1

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Middle frequency): PASS

Detection mode: #Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4882.00	H	2.9	**37.8	54.0	-16.2
7323.00	H	10.7	**42.1	54.0	-11.9
9764.00	H	11.4	**41.5	54.0	-12.5
12205.00	H	16.5	**46.8	54.0	-7.2
14646.00	H	23.5	**45.6	54.0	-8.4
17087.00	H	22.1	**47.6	54.0	-6.4
19528.00	H	23.9	**46.0	54.0	-8.0
21969.00	H	25.3	**45.7	54.0	-8.3
24410.00	H	26.6	**45.5	54.0	-8.5
26851.00	H	27.7	**45.8	54.0	-8.2

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4882.00	V	2.9	**44.4	54.0	-9.6
7323.00	V	10.7	**41.8	54.0	-12.2
9764.00	V	11.4	**42.9	54.0	-11.1
12205.00	V	16.5	**47.3	54.0	-6.7
14646.00	V	23.5	**45.5	54.0	-8.5
17087.00	V	22.1	**48.8	54.0	-5.2
19528.00	V	23.9	**46.0	54.0	-8.0
21969.00	V	25.3	**46.4	54.0	-7.6
24410.00	V	26.6	**45.9	54.0	-8.1
26851.00	V	27.7	**46.5	54.0	-7.5

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

** Duty Cycle Correction = $20\text{Log}(0.337) = -9.4\text{dB}$.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Highest frequency): PASS

Detection mode: Peak

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4960.00	H	3.0	45.6	74.0	-28.4
7440.00	H	10.7	51.6	74.0	-22.4
9920.00	H	11.9	50.3	74.0	-23.7
12400.00	H	15.6	55.6	74.0	-18.4
14880.00	H	23.0	57.3	74.0	-16.7
17360.00	H	23.1	57.0	74.0	-17.0
19840.00	H	24.1	56.1	74.0	-17.9
22320.00	H	25.2	55.2	74.0	-18.8
24800.00	H	27.0	53.7	74.0	-20.3
27280.00	H	28.0	56.2	74.0	-17.8

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4960.00	V	3.0	50.9	74.0	-23.1
7440.00	V	10.7	52.3	74.0	-21.7
9920.00	V	11.9	53.1	74.0	-20.9
12400.00	V	15.6	54.3	74.0	-19.7
14880.00	V	23.0	57.0	74.0	-17.0
17360.00	V	23.1	57.6	74.0	-16.4
19840.00	V	24.1	56.6	74.0	-17.4
22320.00	V	25.2	55.7	74.0	-18.3
24800.00	V	27.0	55.6	74.0	-18.4
27280.00	V	28.0	56.3	74.0	-17.7

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (Transmission mode, Highest frequency): PASS

Detection mode: #Average

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4960.00	H	3.0	**36.2	54.0	-17.8
7440.00	H	10.7	**42.2	54.0	-11.8
9920.00	H	11.9	**40.9	54.0	-13.1
12400.00	H	15.6	**46.2	54.0	-7.8
14880.00	H	23.0	**47.9	54.0	-6.1
17360.00	H	23.1	**47.6	54.0	-6.4
19840.00	H	24.1	**46.7	54.0	-7.3
22320.00	H	25.2	**45.8	54.0	-8.2
24800.00	H	27.0	**44.3	54.0	-9.7
27280.00	H	28.0	**46.8	54.0	-7.2

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
4960.00	V	3.0	**41.5	54.0	-12.5
7440.00	V	10.7	**42.9	54.0	-11.1
9920.00	V	11.9	**43.7	54.0	-10.3
12400.00	V	15.6	**44.9	54.0	-9.1
14880.00	V	23.0	**47.6	54.0	-6.4
17360.00	V	23.1	**48.2	54.0	-5.8
19840.00	V	24.1	**47.2	54.0	-6.8
22320.00	V	25.2	**46.3	54.0	-7.7
24800.00	V	27.0	**46.2	54.0	-7.8
27280.00	V	28.0	**46.9	54.0	-7.1

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = $20\text{Log}(0.337) = -9.4\text{dB}$.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz
VBW = 1MHz



TEST REPORT No: (5211)245-0051

Radiated Emissions (30MHz – 1GHz)

Test Requirement: FCC Part 15 Section 15.209
Test Method: ANSI C63.4
Test Date(s): 2011-09-12
Temperature: 28.0 °C
Humidity: 71.0 %
Atmospheric Pressure: 100.5 kPa
Mode of Operation: On mode
Tested Voltage: 6Vd.c. ("AA" size battery x 4)

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
Above960	500



TEST REPORT No: (5211)245-0051

Measurement Data

Test Result of (On mode): PASS

Detection mode: Quasi-Peak

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dB μ V/m)	Limit at 3m (dB μ V/m)	Margin (dB)
38.28	H	27.1	40.0	-12.9
50.92	H	22.9	40.0	-17.1
129.68	H	23.6	43.5	-19.9
225.56	H	22.4	46.0	-23.6
438.04	H	29.0	46.0	-17.0
533.92	H	31.0	46.0	-15.0

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dB μ V/m)	Limit at 3m (dB μ V/m)	Margin (dB)
38.28	V	25.3	40.0	-14.7
50.92	V	24.7	40.0	-15.3
129.68	V	23.8	43.5	-19.7
225.56	V	21.6	46.0	-24.4
438.04	V	28.8	46.0	-17.2
533.92	V	29.2	46.0	-16.8

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 120KHz
VBW = 120KHz



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Frequency range of Fundamental Emission

Test Requirement: FCC 47 CFR 15.249
Test Method: ANSI C63.4:2003 (Section 13.1.7)
Test Date(s): 2011-09-12
Temperature: 28.0 °C
Humidity: 71.0 %
Atmospheric Pressure: 100.5 kPa
Mode of Operation: Transmission mode
Tested Voltage: 6Vd.c. ("AA" size battery x 4)

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 Frequency range of Fundamental Emission:

Frequency [MHz]	FCC Limits [MHz]
2402.00 – 2480.00	2400 – 2483.5

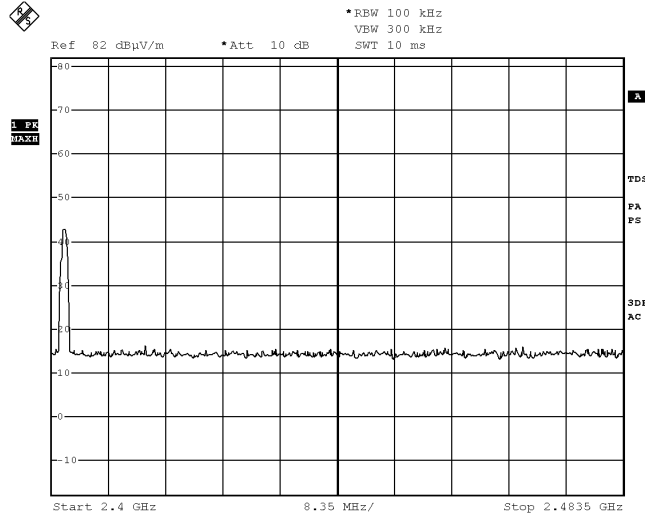


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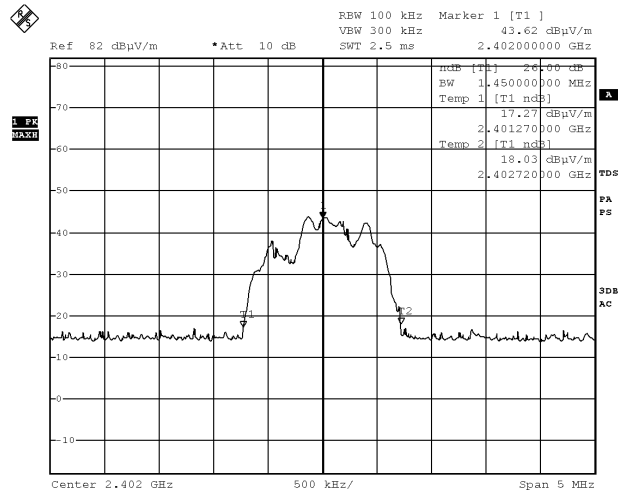
Measurement Data :

Test Result of Frequency Range of Fundamental Emission: PASS
Lowest Frequency – 2402.00MHz



Date: 12.SEP.2011 13:34:43

Test Result of 26dB Bandwidth of Fundamental Emission: PASS
Lowest Frequency – 2402.00MHz



Date: 12.SEP.2011 13:47:46

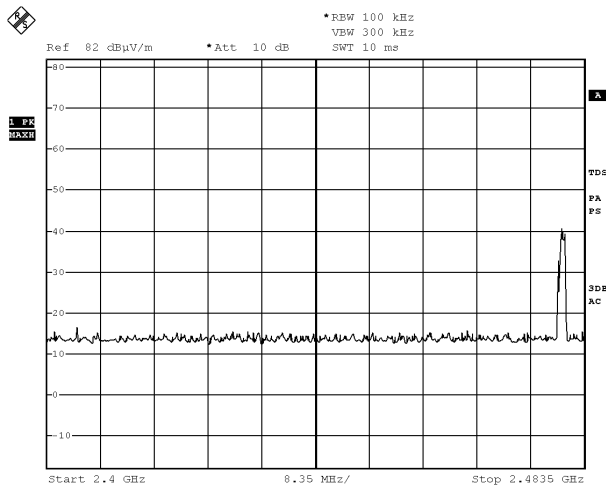
BUREAU VERITAS HONG KONG LIMITED - Kowloon Bay Office, 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, HONG KONG

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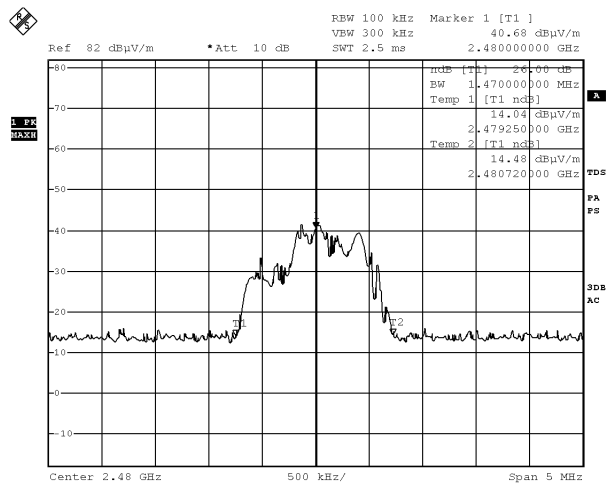
Measurement Data :

**Test Result of Frequency Range of Fundamental Emission: PASS
Highest Frequency – 2480.00MHz**



Date: 12.SEP.2011 14:16:51

**Test Result of 26dB Bandwidth of Fundamental Emission: PASS
Highest Frequency – 2480.00MHz**



Date: 12.SEP.2011 14:17:29



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Duty Cycle Correction During 100msec:

Each function key sends a different series of characters, but each packet period (100msec) never exceeds a series of 80 pulses (0.422msec). Assuming any combination of short and long pulses maybe obtained due to encoding the worst case transmit duty cycle would be considered $(80 \times 0.422)\text{msec}$ per 100msec = 33.7% duty cycle.

Remarks:

Duty Cycle Correction = $20\text{Log}(0.337) = -9.4\text{dB}$

The following figures [Figure A and Figure B] show the characteristics of the pulse train for one of these functions.

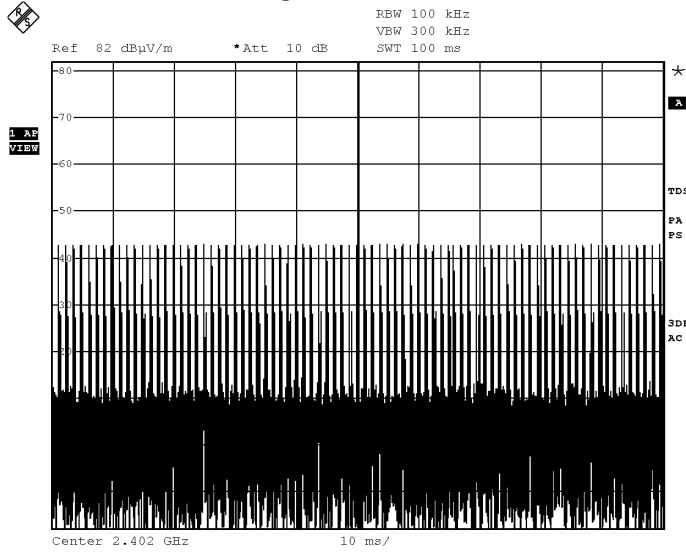


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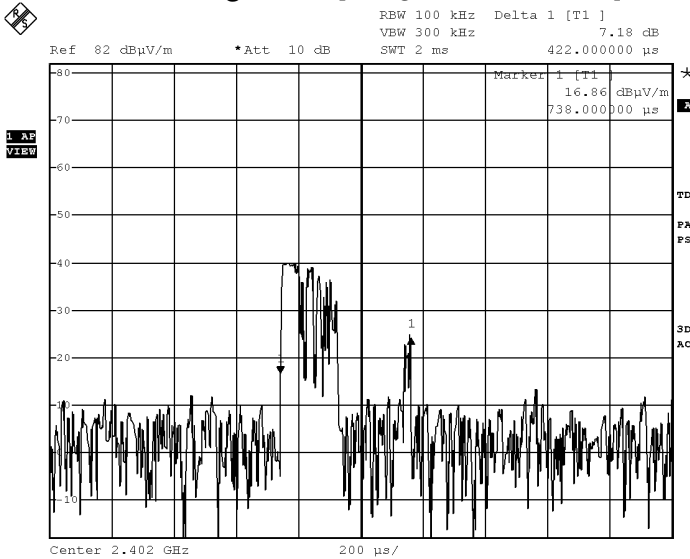
Measurement Data :

Figure A [Pulse Train]



Date: 12.SEP.2011 13:49:07

Figure B [Long or Short Pulse]



Date: 12.SEP.2011 14:23:39



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Photographs of EUT

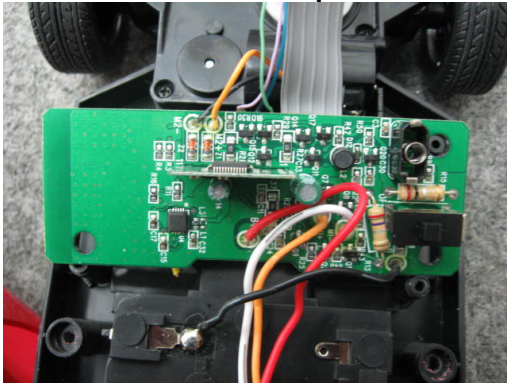
Front View of the product



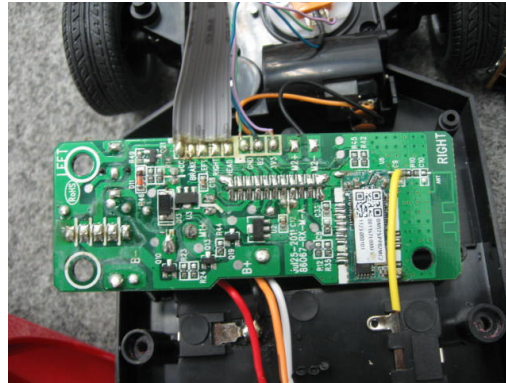
Rear View of the product



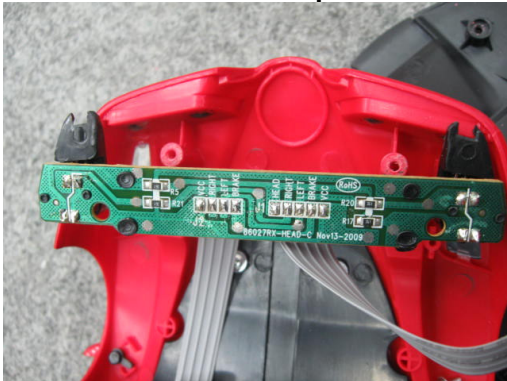
Inner Circuit Top View



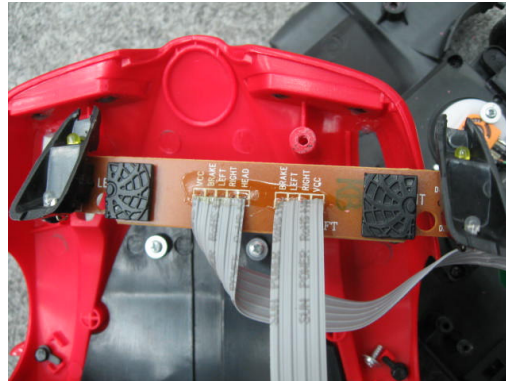
Inner Circuit Bottom View



Inner Circuit Top View



Inner Circuit Bottom View



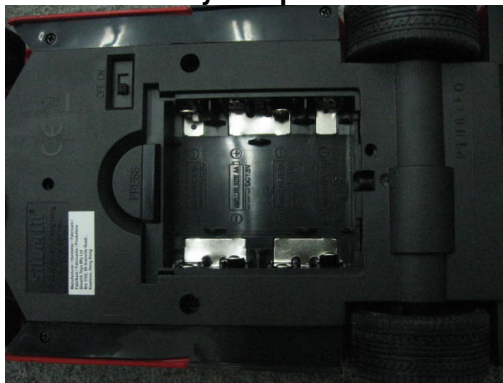
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Photographs of EUT

Internal View of Product



Battery compartment



Battery Cover



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Measurement of Radiated Emission Test Set Up



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