

FCC Test Report E4064136001KYS1

Type / Model Name:	ID-318
Product Description:	Lighting remote control
Applicant:	Capital Prospect Ltd.
FCC ID:	KUTID318



FCC -- TEST REPORT

Test Report No. : E4064136001KYS1 March 24, 2010

Date of issue

This report report superseds our previous report, E4064136001KY, dated January 13, 2010.

Type / Model Name : ID-318

Product Description : Lighting remote control

Applicant : Capital Prospect LTD.

Address : Room 03, 13/F., Block B,

Veristrong Ind. Centre, 34-36 Au Pui Wan Street,

Fo Tan, N.T.,

Hong Kong

Test Result according to the	
standards listed in clause 1 test	PASS
standards:	

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

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1 TEST STANDARDS

The tests were performed according to following standards:

FCC Part 15, July 10, 2008 Federal Communications Commission, Part 15 – Radio

Frequency Device

ANSI C63.4:2003 Method of Measurement of Radio-Noise Emissions from Low-

Voltage Electrical and Electronic Equipment in the Range of

9 kHz to 40 GHz



2 SUMMARY

GENERAL REMARKS:		
None		
FINAL ASSESSMENT:		
The equipment under test fulfils t	ne technical requirement cited in section 15.231 of FCC Part 15	
Date of receipt of test sample	: December 30, 2009	
Testing commenced on	: December 30, 2009	
Testing concluded on	: March 24, 2010	
Reviewed by:	Prepared by:	
Wilson Loke Senior Manager	Kidd Yang Engineer	_

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3 EQUIPMENT UNDER TEST

3.1 Photo documentation of the EuT



Front View



Back View

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3.2 Power supply system utilised

Power	r supply voltage:	9VDC	(1604A Alkaline b	attery)	
3.3	Short description	n of the Equip	ment under Te	est (EuT)	
provid transn	le a control signal to the	lighting receiver n gnal by Pulsed Co	nodule. When the de Modulation to	ain function of the EUT is a motion sensor movement is detected or the time out, the control lighting receiver modules to on and C alkaline battery.	
Serial	er of tested samples: number: nsions:	One Not Labelled L: 8.5m	W:6.5cm	H: 5.0cm	
EuT	operation mode:				
The e	quipment under test wa	s operated during	the measurement	under the following conditions:	
- Opei	ration mode 1: Transimi	tting mode			
- Opeı	ration mode 2: N/A				
- Opeı	ration mode 3: N/A				
(The C	configuration: CDF filled by the applica			• ,	
		vices and interrac		onnected during the measurements:	
- <u>No</u>	ne				
			Model :		
			Model :		
			Model :		
_			Model ·		

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Model:



4 TEST ENVIRONMENT

4.1 Address of the test laboratory

emitel (Shenzhen) Limited Building 2, 171 Meihua Road, Futian District, Shenzhen, 518049 China

FCC Registration No.: 746887

4.2 Environmental conditions

During the measurement the env	ironmental conditions were within the listed rang	ges
Temperature:	<u>15-35 ° C</u>	
Humidity:	30-60 %	
Atmospheric pressure:	86-106 kPa	

4.3 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16-4-2 /11.2003 "Uncertainties, statistics and limit modelling – Uncertainty in EMC measurements" and is documented in the quality system acc. to ISO 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.



5 TEST CONDITIONS AND RESULTS

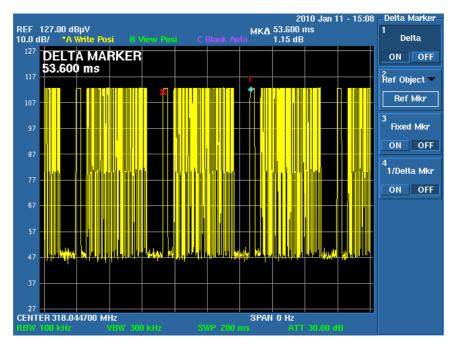
5.1 Average Factor

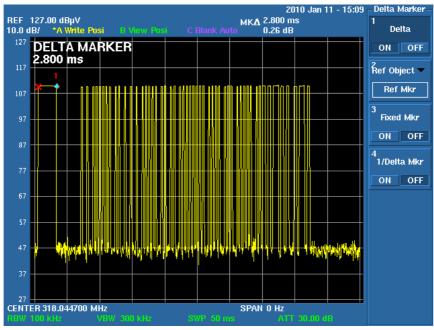
For test instruments and accessories used see section 6.

5.1.1 Description of the test location

Test location: Shield room

5.1.2 Photo documentation of test

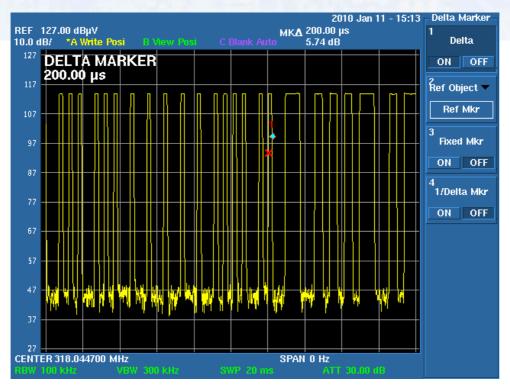


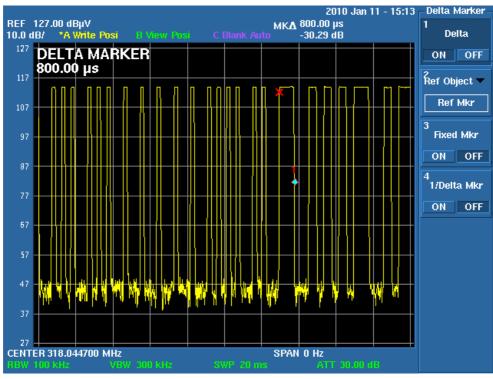


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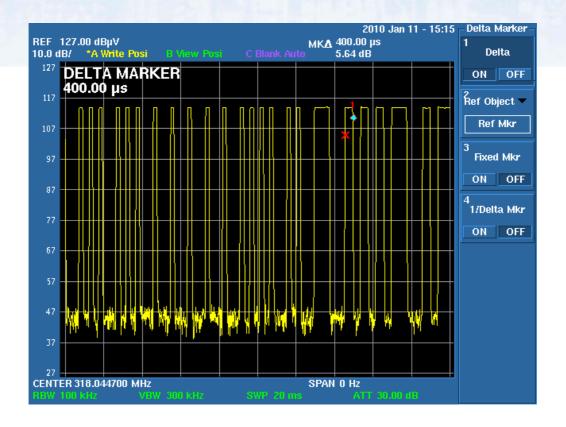
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5.1.3 Test result

T _{on} =	(2.8+0.2*44+0.4*6+0.8*2)ms
=	15.6ms
Average Factor (Press Switch) =	20log(15.6ms/53.6ms)
=	-10.7dB

Remarks:	Average factor of Set mode, On mode and OFF mode are measured. The worst case average					
factor is reported above.						



5.2 Radiated Emission

For test instruments and accessories used see section 6.

5.2.1 Description of the test location

Test location: Semi-anecholic Chamber

Test distance: 3m

5.2.2 Photo documentation of test



5.2.3 Test result

Frequency range:	30MHz to 3180MHz
Min. limit margin:	-1.1dB
The requirements of section 15.231	(b) are FULFILLED .
Remarks:	
-	

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5.2.4 Test protocol

Worst Case Operation mode: Transmitting mode Result: PASS

Remarks:

Date: Dec 30, 2009 Tested by: Kidd Yang

Start frequency [MHZ]	Stop frequency [MHZ]	Resolution bandwidth	Vedio bandwidth	step size	Measurement time	Detector
30	1000	120 KHz	1 MHz	40 KHz	100ms	Peak
1000	3180	1 MHz	3 MHz	400 KHz	100ms	Peak

Polarization	Frequency (MHz)	Read Value (dBuV/m)	Antenna Factor(dB)	Cable Loss(dB)	Measured Result (dBuV/m)	PK limit (dBuV/m)	margin (dB)
V	318.00	69.5	14.8	1.1	85.4	95.8	-10.4
Н	318.00	64.7	14.3	1.1	80.1	95.8	-15.7
Н	636.00	31.8	20.5	1.9	54.2	75.8	-21.6
V	954.00	32.2	23.1	2.2	57.5	75.8	-18.3
V	1272.00	23.0	26.3	2.9	52.2	75.8	-23.6
V	1590.00	17.2	30.1	3.9	51.2	74.0	-22.8
Н	1908.00	30.2	25.3	3.1	58.6	75.8	-17.2
Н	2226.00	32.9	26.4	3.1	62.4	74.0	-11.6

Polarization	Frequency (MHz)	Detector	Measured Result (dBuV/m)	Average Factor (dB)	Calculated Average Value (dBuV/m)	AV limit (dBuV/m)	margin (dB)
V	318.00	Peak	85.4	-10.7	74.7	75.8	-1.1
Н	318.00	Peak	80.1	-10.7	69.4	75.8	-6.4
Н	636.00	Peak	54.2	-10.7	43.5	55.8	-12.3
V	954.00	Peak	57.5	-10.7	46.8	55.8	-9.0
V	1272.00	Peak	52.2	-10.7	41.5	55.8	-14.3
V	1590.00	Peak	51.2	-10.7	40.5	54.0	-13.5
Н	1908.00	Peak	58.6	-10.7	47.9	55.8	-7.9
Н	2226.00	Peak	62.4	-10.7	51.7	54.0	-2.3

Remarks: 1) The emissions lower than 20dB below the limit are not measured.

maximum emission.

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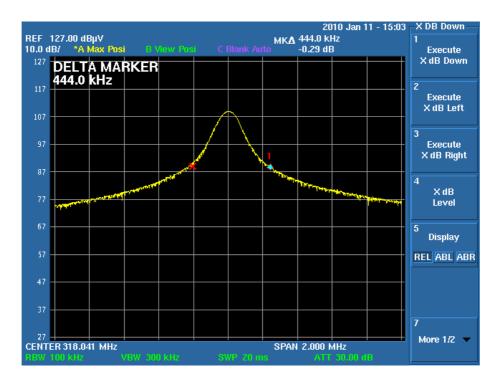


5.3 Bandwidth

5.3.1 Description of the test location

Test location: Shielded Room

5.3.2 Photo documentation of the test



5.3.3 Test result

Measured Occupied Bandwidth (kHz)	Limit (kHz)
444	795

The requirements of section 15.231(c) is FULFILLED

Remarks:

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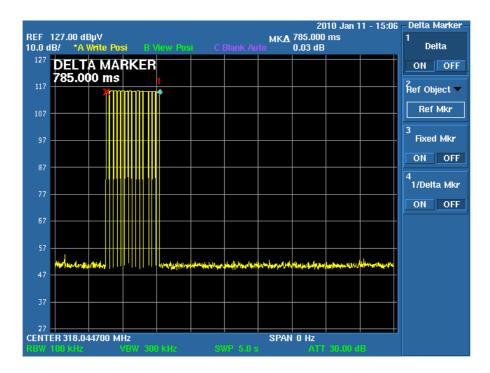


5.4 Provision of Momentary operation

5.4.1 Description of the test location

Test location: Shielded Room

5.4.2 Photo documentation of the test



5.4.3 Test result

The time of stopping transmission after switch releasing (s)	Limit (s)
0.785	5

The requeirement of section 15.231(a)(2) is FULFILLED

Remarks:

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6 USED TEST EQUIPMENT AND ACCESSORIES

All test instruments used, in addition to the test accessories, are calibrated and verified regularly.

Test Item Radiated Emission	Model / Type ESPI3	Kind of Equipment EMI Test Receiver	Manufacturer Rohde & Schwarz	Last Cal. Date Apr 16, 2009	Equipment No. 04-02/03-06-002
	U3772 3142C 3117	Spectrum Analyzer Biconilog Antenna Horn Antenna	Advantest EMCO ETS Lindgren	Apr 16, 2009 Jan 08, 2009 Feb 04, 2009	04-02/11-08-001 04-02/24-06-001 04-02/24-07-001
Bandwidth	U3772	Spectrum Analyzer	Advantest	Apr 16, 2009	04-02/11-08-001
Momentary operation	U3772	Spectrum Analyzer	Advantest	Apr 16, 2009	04-02/11-08-001
Average Factor	U3772	Spectrum Analyzer	Advantest	Apr 16, 2009	04-02/11-08-001