

F C C - TEST REPORT

REPORT NO.: 41042/5/200F

FCC – Test Report

Date: 2005-03-09

No. 41042/5/200F

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**FCC listed testlab
acc. to Section 2.948 of the FCC - Rules
in compliance with the requirements of
ANSI C63.4 - 2001**

Product : AM/FM/TV/WX Pocket Radio

Product Class : Communication Receiver (Super
Hetrodyne)

Brand Name : Radio Shack

Model : 12-468

Importer : CITY ELECTRONICS LTD

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LABORATORY - REPORT

APPLICANT: CITY ELECTRONICS LTD
ADDRESS: Unit A, 6/F., Wider Industrial Building
58 Tsun Yip Street, Kwun Tong,
Kowloon, HONG KONG
DATE OF SAMPLE RECEIVED: 2005-01-13
DATE OF TESTING: 2005-03-04

DESCRIPTION OF SAMPLE:

Product: AM/FM/TV/WX Pocket Radio
Product class: Communication Receiver (Super Hetrodyne)
Brand name: Radio Shack
Model number: 12-468
Rating: DC 4.5V ('AA' Size Battery x 3)

INVESTIGATIONS REQUESTED: Measurements to the relevant clauses of F.C.C. Rules and Regulations
Part 15 Subpart B – 'Unintentional Radiators'

RESULTS: See the attached test sheets

CONCLUSIONS From the measurement data obtained, the tested sample was considered to have COMPLIED with the requirements for the relevant clauses of Federal Communications Commission Rules as specified above.

Authorized Signature

Remark: 1. Purpose of those tests in this report is to provide the applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under the FCC Equipment Authorization Program. The tests themselves are not Approval Tests.
2. The conducted emissions test (if applicable) has considered the limits in Sections 15.107 and 15.207 adopted under FCC 02-157 (ETDocket 98-80). The product may be marketed after July 11, 2005, and is not affected by the 15.37(j) transition provisions.

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Summary of Test Results

Interference Radiation:

Test result: O.K.
Test data: See attached data sheet

Interference Voltage:

Test result: N.A.
Test data: N.A.

PHOTOGRAPH OF THE SAMPLE



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TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Serial No.	Remark
Test Receiver	Rohde & Schwarz	ESH 3	863497/015	150KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESH 3	892580/006	9KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVP	860688/022	25MHz – 1,000 MHz
Test Receiver	Rohde & Schwarz	ESVP	863512/012	25MHz – 1,000 MHz
Test Receiver	Rohde & Schwarz	ESHS30	839667/002	9KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVS30	828525/006	25MHz – 1000MHz
Spectrum Analyzer with Q. Peak	Advantest	R3132	140101852	9KHz – 3GHz
Spectrum Analyzer with Q. Peak	Tektronix	2712	B023006	0.15MHz – 1000MHz
Interface for Spectrum 2712	Tektronix	TD3F14A	--	--
Impulse Limiter	Rohde & Schwarz	ESH-3-Z2	--	--
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127	8127312	2 x 10A, 50Ω, 50μH 9KHz-30MHz
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127	8127309	2 x 10A, 50Ω, 50μH 9KHz-30MHz
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107	--	30MHz – 1000MHz
Antenna Mast System	Schwarzbeck	AM9104	--	Max. 4 meters height
Loop Antenna	Rohde & Schwarz	HFH2-Z2	871336/48	9KHz-30MHz
Turntable with Controller	Drehtisch	DT312	--	φ120 cm

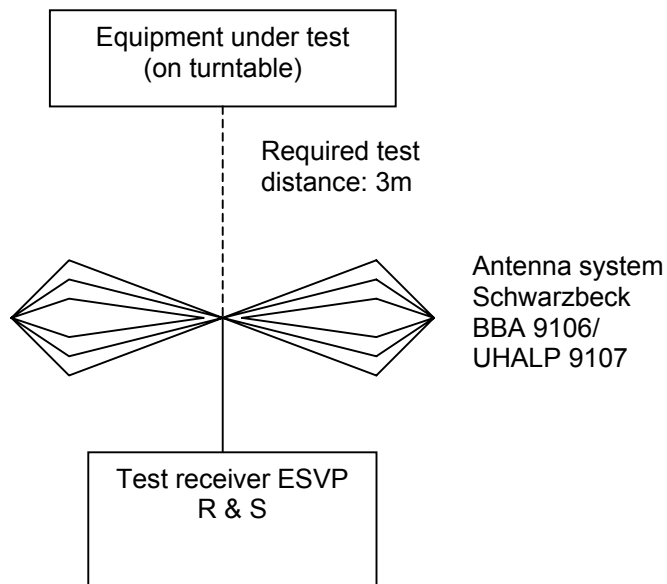
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Radiated Emission Testprocedure (> 30MHz)



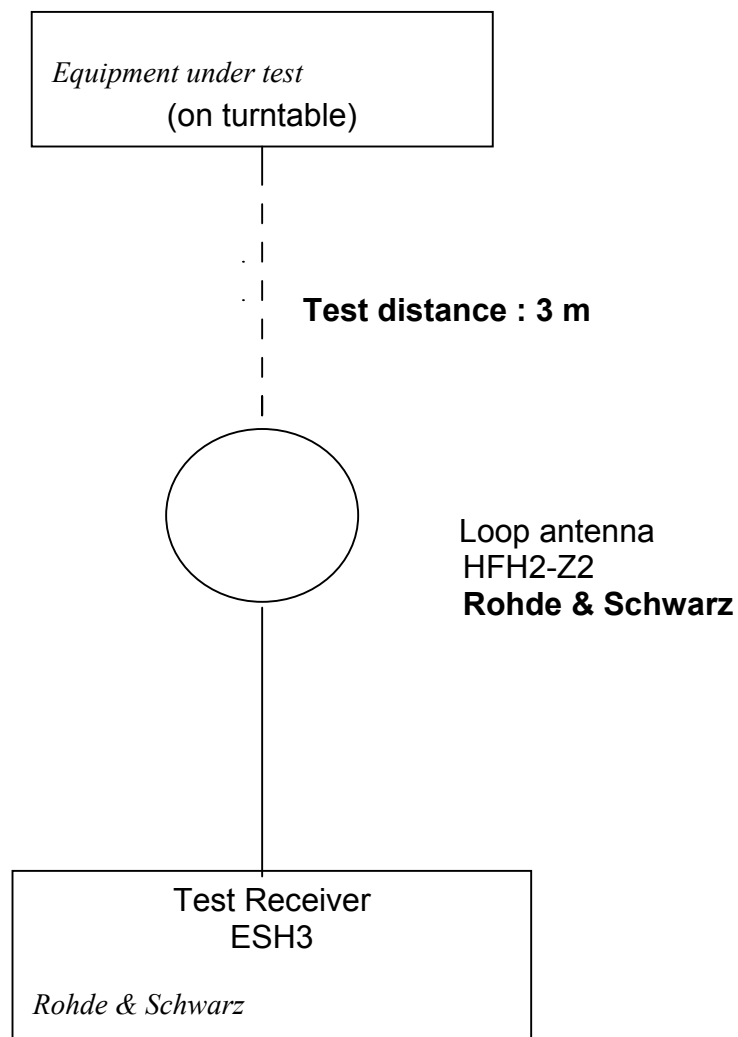
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Radiated Emission Test Procedure (9kHz – 30MHz)



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Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: FM Mode
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBµV	Polarization	Correction - factor (dB)	Testresult dBµV/m	Limit dB(µV/m)
89.8	100.5	1	21	H	10.4	31.4	43.5
	201.0	2	20	H	16.5	36.5	43.5
	301.5	3	18	H	16.3	34.3	46.0
	402.0	4	< 16	H	18.3	< 34.3	46.0
	502.5	5	< 16	H	19.7	< 35.7	46.0
	603.0	6	< 16	H	20.9	< 36.9	46.0
	703.5	7	< 16	H	22.4	< 38.4	46.0
	804.0	8	< 16	H	23.8	< 39.8	46.0
	904.5	9	< 16	H	25.1	< 41.1	46.0
98.3	109.0	1	22	H	11.7	33.7	43.5
	218.0	2	20	H	17.0	37.0	46.0
	327.0	3	18	H	16.8	34.8	46.0
	436.0	4	< 16	H	18.8	< 34.8	46.0
	545.0	5	< 16	H	20.2	< 36.2	46.0
	654.0	6	< 16	H	21.7	< 37.7	46.0
	763.0	7	< 16	H	23.2	< 39.2	46.0
	872.0	8	< 16	H	24.7	< 40.7	46.0
	981.0	9	< 16	H	26.2	< 42.2	54.0
108.0	118.7	1	21	H	12.7	33.7	43.5
	237.4	2	20	H	17.4	37.4	46.0
	356.1	3	18	H	17.5	35.5	46.0
	474.8	4	< 16	H	19.4	< 35.4	46.0
	593.5	5	< 16	H	20.8	< 36.8	46.0
	712.2	6	< 16	H	22.6	< 38.6	46.0
	830.9	7	< 16	H	24.1	< 40.1	46.0
	949.6	8	< 16	H	25.8	< 41.8	46.0

The measurements indicate that the test unit meets the FCC requirements.

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Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

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IECC Ref: 41042/5/200F
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Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: FM Mode
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Har-monics	Reading dBµV	Polari-zation	Correction - factor (dB)	Testresult dBµV/m	Limit dB(µV/m)
89.8	100.5	1	20	V	10.4	30.4	43.5
	201.0	2	18	V	16.5	34.5	43.5
	301.5	3	< 16	V	16.3	< 32.3	46.0
	402.0	4	< 16	V	18.3	< 34.3	46.0
	502.5	5	< 16	V	19.7	< 35.7	46.0
	603.0	6	< 16	V	20.9	< 36.9	46.0
	703.5	7	< 16	V	22.4	< 38.4	46.0
	804.0	8	< 16	V	23.8	< 39.8	46.0
	904.5	9	< 16	V	25.1	< 41.1	46.0
98.3	109.0	1	21	V	11.7	32.7	43.5
	218.0	2	20	V	17.0	37.0	46.0
	327.0	3	18	V	16.8	34.8	46.0
	436.0	4	< 16	V	18.8	< 34.8	46.0
	545.0	5	< 16	V	20.2	< 36.2	46.0
	654.0	6	< 16	V	21.7	< 37.7	46.0
	763.0	7	< 16	V	23.2	< 39.2	46.0
	872.0	8	< 16	V	24.7	< 40.7	46.0
	981.0	9	< 16	V	26.2	< 42.2	54.0
108.0	118.7	1	21	V	12.7	33.7	43.5
	237.4	2	20	V	17.4	37.4	46.0
	356.1	3	18	V	17.5	35.5	46.0
	474.8	4	< 16	V	19.4	< 35.4	46.0
	593.5	5	< 16	V	20.8	< 36.8	46.0
	712.2	6	< 16	V	22.6	< 38.6	46.0
	830.9	7	< 16	V	24.1	< 40.1	46.0
	949.6	8	< 16	V	25.8	< 41.8	46.0

The measurements indicate that the test unit meets the FCC requirements.

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Interference Radiation 30MHz to 1000MHz
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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBμV	Polarization	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
59.75 (CH 2)	70.5	1	24	H	6.2	30.2	40.0
	140.9	2	20	H	14.6	34.6	43.5
	211.4	3	18	H	16.8	34.8	43.5
	281.8	4	< 16	H	18.9	< 34.9	46.0
	352.3	5	< 16	H	17.4	< 33.4	46.0
	422.7	6	< 16	H	18.6	< 34.6	46.0
	493.2	7	< 16	H	19.6	< 35.6	46.0
	563.6	8	< 16	H	20.4	< 36.4	46.0
	634.1	9	< 16	H	21.4	< 37.4	46.0
	704.5	10	< 16	H	22.5	< 38.5	46.0
	775.0	11	< 16	H	23.4	< 39.4	46.0
	845.4	12	< 16	H	24.3	< 40.3	46.0
	915.9	13	< 16	H	25.2	< 41.2	46.0
	986.3	14	< 16	H	26.3	< 42.3	54.0
65.75 (CH 3)	76.5	1	25	H	6.6	31.6	40.0
	152.9	2	20	H	15.2	35.2	43.5
	229.4	3	18	H	17.2	35.2	46.0
	305.8	4	< 16	H	16.4	< 32.4	46.0
	382.3	5	< 16	H	18.0	< 34.0	46.0
	458.7	6	< 16	H	19.1	< 35.1	46.0
	535.2	7	< 16	H	20.1	< 36.1	46.0
	611.6	8	< 16	H	21.1	< 37.1	46.0
	688.1	9	< 16	H	22.2	< 38.2	46.0
	764.5	10	< 16	H	23.3	< 39.3	46.0
	841.0	11	< 16	H	24.3	< 40.3	46.0
	917.4	12	< 16	H	25.3	< 41.3	46.0
	993.9	13	< 16	H	26.4	< 42.4	54.0
71.8 (CH 4)	82.5	1	27	H	7.3	34.3	40.0
	164.9	2	20	H	15.7	35.7	43.5
	247.4	3	18	H	17.7	35.7	46.0
	329.8	4	< 16	H	16.9	< 32.9	46.0
	412.3	5	< 16	H	18.5	< 34.5	46.0
	494.7	6	< 16	H	19.6	< 35.6	46.0
	577.2	7	< 16	H	20.6	< 36.6	46.0
	659.6	8	< 16	H	21.8	< 37.8	46.0
	742.1	9	< 16	H	23.0	< 39.0	46.0
	824.5	10	< 16	H	24.0	< 40.0	46.0
	907.0	11	< 16	H	25.1	< 41.1	46.0
	989.4	12	< 16	H	26.3	< 42.3	54.0

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IECC Ref: 41042/5/200F
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Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBμV	Polarization	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
59.75 (CH 2)	70.5	1	21	V	6.2	27.2	40.0
	140.9	2	20	V	14.6	34.6	43.5
	211.4	3	18	V	16.8	34.8	43.5
	281.8	4	< 16	V	18.9	< 34.9	46.0
	352.3	5	< 16	V	17.4	< 33.4	46.0
	422.7	6	< 16	V	18.6	< 34.6	46.0
	493.2	7	< 16	V	19.6	< 35.6	46.0
	563.6	8	< 16	V	20.4	< 36.4	46.0
	634.1	9	< 16	V	21.4	< 37.4	46.0
	704.5	10	< 16	V	22.5	< 38.5	46.0
	775.0	11	< 16	V	23.4	< 39.4	46.0
	845.4	12	< 16	V	24.3	< 40.3	46.0
	915.9	13	< 16	V	25.2	< 41.2	46.0
	986.3	14	< 16	V	26.3	< 42.3	54.0
65.75 (CH 3)	76.5	1	20	V	6.6	26.6	40.0
	152.9	2	18	V	15.2	33.2	43.5
	229.4	3	< 16	V	17.2	< 33.2	46.0
	305.8	4	< 16	V	16.4	< 32.4	46.0
	382.3	5	< 16	V	18.0	< 34.0	46.0
	458.7	6	< 16	V	19.1	< 35.1	46.0
	535.2	7	< 16	V	20.1	< 36.1	46.0
	611.6	8	< 16	V	21.1	< 37.1	46.0
	688.1	9	< 16	V	22.2	< 38.2	46.0
	764.5	10	< 16	V	23.3	< 39.3	46.0
	841.0	11	< 16	V	24.3	< 40.3	46.0
	917.4	12	< 16	V	25.3	< 41.3	46.0
	993.9	13	< 16	V	26.4	< 42.4	54.0
71.8 (CH 4)	82.5	1	21	V	7.3	28.3	40.0
	164.9	2	20	V	15.7	35.7	43.5
	247.4	3	18	V	17.7	35.7	46.0
	329.8	4	< 16	V	16.9	< 32.9	46.0
	412.3	5	< 16	V	18.5	< 34.5	46.0
	494.7	6	< 16	V	19.6	< 35.6	46.0
	577.2	7	< 16	V	20.6	< 36.6	46.0
	659.6	8	< 16	V	21.8	< 37.8	46.0
	742.1	9	< 16	V	23.0	< 39.0	46.0
	824.5	10	< 16	V	24.0	< 40.0	46.0
	907.0	11	< 16	V	25.1	< 41.1	46.0
	989.4	12	< 16	V	26.3	< 42.3	54.0

The measurements indicate that the test units meets the FCC requirements

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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBµV	Polarization	Correction - factor (dB)	Testresult dBµV/m	Limit dB(µV/m)
81.75 (CH 5)	92.5	1	29	H	9.2	38.2	43.5
	184.9	2	20	H	16.2	36.2	43.5
	277.4	3	18	H	18.7	36.7	46.0
	369.8	4	< 16	H	17.8	< 33.8	46.0
	462.3	5	< 16	H	19.2	< 35.2	46.0
	554.7	6	< 16	H	20.3	< 36.3	46.0
	647.2	7	< 16	H	21.6	< 37.6	46.0
	739.6	8	< 16	H	22.9	< 38.9	46.0
	832.1	9	< 16	H	24.1	< 40.1	46.0
	924.5	10	< 16	H	25.4	< 41.4	46.0
87.75 (CH 6)	98.5	1	29	H	10.1	39.1	43.5
	196.9	2	20	H	16.4	36.4	43.5
	295.4	3	18	H	19.7	37.7	46.0
	393.8	4	< 16	H	18.2	< 34.2	46.0
	492.3	5	< 16	H	19.6	< 35.6	46.0
	590.7	6	< 16	H	20.8	< 36.8	46.0
	689.2	7	< 16	H	22.2	< 38.2	46.0
	787.6	8	< 16	H	23.5	< 39.5	46.0
	886.1	9	< 16	H	24.8	< 40.8	46.0
	984.5	10	< 16	H	26.3	< 42.3	54.0
179.75 (CH 7)	190.5	1	23	H	16.3	39.3	43.5
	380.9	2	20	H	18.0	38.0	46.0
	571.4	3	18	H	20.5	38.5	46.0
	761.8	4	< 16	H	23.2	< 39.2	46.0
	952.3	5	< 16	H	25.8	< 41.8	46.0
185.75 (CH 8)	196.5	1	23	H	16.4	39.4	43.5
	392.9	2	20	H	18.2	38.2	46.0
	589.4	3	18	H	20.8	38.8	46.0
	785.8	4	< 16	H	23.5	< 39.5	46.0
	982.3	5	< 16	H	26.2	< 42.2	54.0

The measurements indicate that the test unit meets the FCC requirements

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Interference Radiation 30MHz to 1000MHz
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Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBμV	Polarization	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
81.75 (CH 5)	92.5	1	25	V	9.2	34.2	43.5
	184.9	2	20	V	16.2	36.2	43.5
	277.4	3	18	V	18.7	36.7	46.0
	369.8	4	< 16	V	17.8	< 33.8	46.0
	462.3	5	< 16	V	19.2	< 35.2	46.0
	554.7	6	< 16	V	20.3	< 36.3	46.0
	647.2	7	< 16	V	21.6	< 37.6	46.0
	739.6	8	< 16	V	22.9	< 38.9	46.0
	832.1	9	< 16	V	24.1	< 40.1	46.0
	924.5	10	< 16	V	25.4	< 41.4	46.0
87.75 (CH 6)	98.5	1	26	V	10.1	36.1	43.5
	196.9	2	20	V	16.4	36.4	43.5
	295.4	3	18	V	19.7	37.7	46.0
	393.8	4	< 16	V	18.2	< 34.2	46.0
	492.3	5	< 16	V	19.6	< 35.6	46.0
	590.7	6	< 16	V	20.8	< 36.8	46.0
	689.2	7	< 16	V	22.2	< 38.2	46.0
	787.6	8	< 16	V	23.5	< 39.5	46.0
	886.1	9	< 16	V	24.8	< 40.8	46.0
	984.5	10	< 16	V	26.3	< 42.3	54.0
179.75 (CH 7)	190.5	1	20	V	16.3	36.3	43.5
	380.9	2	18	V	18.0	36.0	46.0
	571.4	3	< 16	V	20.5	< 36.5	46.0
	761.8	4	< 16	V	23.2	< 39.2	46.0
	952.3	5	< 16	V	25.8	< 41.8	46.0
185.75 (CH 8)	196.5	1	20	V	16.4	36.4	43.5
	392.9	2	18	V	18.2	36.2	46.0
	589.4	3	< 16	V	20.8	< 36.8	46.0
	785.8	4	< 16	V	23.5	< 39.5	46.0
	982.3	5	< 16	V	26.2	< 42.2	54.0

The measurements indicate that the test unit meets the FCC requirements

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Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

Date : 2005-03-09
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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBµV	Polarization	Correction - factor (dB)	Testresult dBµV/m	Limit dB(µV/m)
191.75 (CH 9)	202.5	1	22	H	16.6	38.6	43.5
	404.9	2	20	H	18.4	38.4	46.0
	607.4	3	18	H	21.0	39.0	46.0
	809.8	4	< 16	H	23.8	< 39.8	46.0
197.75 (CH 10)	208.5	1	21	H	16.7	37.7	43.5
	416.9	2	20	H	18.5	38.5	46.0
	625.4	3	18	H	21.3	39.3	46.0
	833.8	4	< 16	H	24.2	< 40.2	46.0
203.75 (CH 11)	214.5	1	21	H	16.9	37.9	43.5
	428.9	2	20	H	18.7	38.7	46.0
	643.4	3	18	H	21.5	39.5	46.0
	857.8	4	< 16	H	24.5	< 40.5	46.0
209.75 (CH 12)	220.5	1	20	H	17.0	37.0	46.0
	440.9	2	18	H	18.9	36.9	46.0
	661.4	3	< 16	H	21.8	< 37.8	46.0
	881.8	4	< 16	H	24.8	< 40.8	46.0
215.75 (CH 13)	226.5	1	20	H	17.2	37.2	46.0
	452.9	2	18	H	19.0	37.0	46.0
	679.4	3	< 16	H	22.1	< 38.1	46.0
	905.8	4	< 16	H	25.1	< 41.1	46.0

The measurements indicate that the test unit meets the FCC requirements

U1

Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

Date : 2005-03-19
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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: TV Band
InterFreq: 10.7 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Harmonics	Reading dBμV	Polarization	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
191.75 (CH 9)	202.5	1	20	V	16.6	36.6	43.5
	404.9	2	18	V	18.4	36.4	46.0
	607.4	3	< 16	V	21.0	< 37.0	46.0
	809.8	4	< 16	V	23.8	< 39.8	46.0
197.75 (CH 10)	208.5	1	20	V	16.7	36.7	43.5
	416.9	2	18	V	18.5	36.5	46.0
	625.4	3	< 16	V	21.3	< 37.3	46.0
	833.8	4	< 16	V	24.2	< 40.2	46.0
203.75 (CH 11)	214.5	1	20	V	16.9	36.9	43.5
	428.9	2	18	V	18.7	36.7	46.0
	643.4	3	< 16	V	21.5	< 37.5	46.0
	857.8	4	< 16	V	24.5	< 40.5	46.0
209.75 (CH 12)	220.5	1	20	V	17.0	37.0	46.0
	440.9	2	18	V	18.9	36.9	46.0
	661.4	3	< 16	V	21.8	< 37.8	46.0
	881.8	4	< 16	V	24.8	< 40.8	46.0
215.75 (CH 13)	226.5	1	20	V	17.2	37.2	46.0
	452.9	2	18	V	19.0	37.0	46.0
	679.4	3	< 16	V	22.1	< 38.1	46.0
	905.8	4	< 16	V	25.1	< 41.1	46.0

The measurements indicate that the test unit meets the FCC requirements

U1

Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

Date : 2005-03-09
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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: Weather Band
InterFreq: 0.51 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Har-monics	Reading dBμV	Polari-zation	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
162.4	162.91	1	21	H	15.6	36.6	43.5
	325.82	2	20	H	16.8	36.8	46.0
	488.73	3	18	H	19.5	37.5	46.0
	651.64	4	< 16	H	21.6	< 37.6	46.0
	814.55	5	< 16	H	23.9	< 39.9	46.0
	977.46	6	< 16	H	26.2	< 42.2	54.0
162.475	162.99	1	21	H	15.6	36.6	43.5
	325.97	2	20	H	16.8	36.8	46.0
	488.96	3	18	H	19.6	37.6	46.0
	651.94	4	< 16	H	21.6	< 37.6	46.0
	814.93	5	< 16	H	23.9	< 39.9	46.0
	977.91	6	< 16	H	26.2	< 42.2	54.0
162.55	163.06	1	21	H	15.6	36.6	43.5
	326.12	2	20	H	16.8	36.8	46.0
	489.18	3	18	H	19.6	37.6	46.0
	652.24	4	< 16	H	21.6	< 37.6	46.0
	815.30	5	< 16	H	23.9	< 39.9	46.0
	978.36	6	< 16	H	26.2	< 42.2	54.0

The measurements indicate that the test unit meets the FCC requirements

U1

Interference Radiation 30MHz to 1000MHz
According: FCC Part 15 Subpart B (15.109)

Date : 2005-03-09
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IECC Ref: 41042/5/200F
Model: 12-468
Applicant: CITY ELECTRONICS LTD
Ser.Nr.: 1
Oper. Mode: Weather Band
InterFreq: 0.51 MHz

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

Receiving - frequency (MHz)	Oscillator-frequency (MHz)	Har-monics	Reading dBμV	Polari-zation	Correction - factor (dB)	Testresult dBμV/m	Limit dB(μV/m)
162.4	162.91	1	20	V	15.6	35.6	43.5
	325.82	2	18	V	16.8	34.8	46.0
	488.73	3	< 16	V	19.5	< 35.5	46.0
	651.64	4	< 16	V	21.6	< 37.6	46.0
	814.55	5	< 16	V	23.9	< 39.9	46.0
	977.46	6	< 16	V	26.2	< 42.2	54.0
162.475	162.99	1	20	V	15.6	35.6	43.5
	325.97	2	18	V	16.8	34.8	46.0
	488.96	3	< 16	V	19.6	< 35.6	46.0
	651.94	4	< 16	V	21.6	< 37.6	46.0
	814.93	5	< 16	V	23.9	< 39.9	46.0
	977.91	6	< 16	V	26.2	< 42.2	54.0
162.55	163.06	1	20	V	15.6	35.6	43.5
	326.12	2	18	V	16.8	34.8	46.0
	489.18	3	< 16	V	19.6	< 35.6	46.0
	652.24	4	< 16	V	21.6	< 37.6	46.0
	815.30	5	< 16	V	23.9	< 39.9	46.0
	978.36	6	< 16	V	26.2	< 42.2	54.0

The measurements indicate that the test unit meets the FCC requirements

Notes for Radiation Measurement

1. Measurement facility:

Measurement facility located at Fanling (Hong Kong), placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules.

2. Distance between the EUT and measuring antenna:

3 meters.

3. Measuring instrumentations:

Rohde & Schwarz ESVP Test Receiver (20 - 1300 MHz) with a CISPR weighting QP detector, 6 dB bandwidth set at 120 KHz.

4. Measuring antenna:

Broad-band antenna for the frequency range 30 - 300 MHz and frequency range 300 - 1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the Antenna Factor for measurement data. The antennas are capable of measuring both horizontal and vertical polarizations.

Loop antenna for the frequency range 9KHz – 30MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the measurement data. The center of the loop 1. m above the ground plane, positioned with its plane vertical at the specified distance and rotated about its vertical axis and placed horizontal for maximum response at each azimuth about the EUT.

5. Frequency range scanned:

The frequency range 30 - 1000 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

6. Arrangement of EUT:

During the test, the sample was operated at rated supply voltage and arranged for maximum emissions. To find the maximum emission (30MHz – 1000MHz), the antenna was raised from 1 to 4 meters and was stopped at the maximum emission point.

7. Measuring Procedure:

In **accordance** with the relevant sections of the American National Standards Institute (ANSI) C63.4-2001 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'.