September 02, 2010

VTech Telecommunications Ltd.
23/F., Tai Ping Industrial Centre,
Block 1, 57 Ting Kok Road,
Tai Po, Hong Kong.
Tel. : (852) 2680 1000
Fax. : (852) 2680 5118

Dear Samson Man,

Enclosed you will find your file copy of a Part 15 Class II Permissive Change for Base Unit (FCC ID: EW780-7718-00). Model: CS6124, CS6124-2, CS6124-11, CS6124-21, CS612Z-XY.

Enclosed you will find your file copy of an Industry Canada RSS-213 Class I Permissive Change (IC: 1135B-80771800). Model: CS6124, CS6124-2, CS6124-11, CS6124-21. No certificate will be issued.

For your reference, TCB will normally take another 2 weeks for reviewing the report. Approval will then be granted when no query is sorted.

Please contact me if you have any questions regarding the enclosed material.

Sincerely,

Nip Ming Fung, Melvin
Supervisor

Enclosure

List of Exhibits

Exhibit Type	File Description	Filename
Test Report	Test Report	report.pdf
Operational Description	Technical Description	descri.pdf
Cover Letter	Purpose of Change	product change.pdf
Test Setup Photo	Radiated Emission Test Configuration	config photos.pdf
Test Setup Photo	AC Line Conducted Emission Test Configuration	
Test Report	AC Line Conducted Emission Data	conduct.pdf
RF Exposure Info	RF Safety	RF exposure info.pdf
RF Exposure Info	RF Exposure Compliance	RF exposure.pdf
External Photos	External Photo	external photos.pdf
Internal Photos	Internal Photo	internal photos.pdf
ID Label/Location Info	Label Artwork and Location	label.pdf
Block Diagrams	Block Diagram	block.pdf
Schematics	Circuit Diagram	circuit.pdf
User Manual	User Manual	manual.pdf
Cover Letter	Letter of Agency	letter of agency.pdf
Cover Letter	Confidentiality Request	request.pdf
Cover Letter	Multiple Model Confirmation Letter	confirmation.pdf

VTech Telecommunications Ltd.

Application
For
47 CFR Part 15 Class II Permissive Change
RSS-213 Issue 2 Equipment Class I Permissive Change

Unlicensed Personal Communication Service Devices/
2 GHz License-exempt Personal Communications Service Devices

(Base Unit)

FCC ID: EW780-7718-00
Model: CS6124, CS6124-2, CS6124-11, CS6124-21, CS612Z-XY

IC: 1135B-80771800
Model: CS6124, CS6124-2, CS6124-11, CS6124-21

Test Report Number: HK10070763-1(R1)

Issue Date: September 02, 2010

Supersedes report number HK10070763-1 dated August 12, 2010

MN/ sl

Intertek Testing Services Hong Kong Ltd.
2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Tel: (852) 2173 8888 Fax: (852) 2785 5487 Website: www.hk.intertek-etlsemko.com

MEASUREMENT/TECHNICAL REPORT

VTech Telecommunications Ltd. - Model: CS6124, CS6124-2, CS6124-11, CS6124-21, CS612Z-XY
FCC ID: EW780-7718-00

This report concerns (check one:) Original Grant ____ Class II Change _X_

Equipment Type : PUB - Part 15 Unlicensed PCS Base Station

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes ____ No __X__

If yes, defer until :

_____
Date

Company Name agrees to notify the Commission by: _____
Date

of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? Yes _____ No __X__

If no, assumed Part 15, Subpart D for Unlicensed Personal Communication Service Device - the new 47 CFR [10-01-09 Edition] Provision.

Report reviewed by: Nip Ming Fung, Melvin

Intertek Testing Services Hong Kong Ltd.
2/F., Garment Centre,
576 Castle Peak Road,
Kowloon, Hong Kong.
Phone : 852-2173-8535
Fax: 852-2741-1693

Table of Contents

EXHIBIT 1
SUMMARY OF TEST RESULTS

1.0 **Summary of Test Results**

VTech Telecommunications Ltd.

FCC ID: EW780-7718-00
MODEL: CS6124, CS6124-2, CS6124-11, CS6124-21, CS612Z-XY

IC: 1135B-80771800
MODEL: CS6124, CS6124-2, CS6124-11, CS6124-21

General Technical Requirements					
Test Items	**RSS-213 / RSS-Gen# Clause**	**FCC Part 15 Section**	**Test Procedure ANSI C63.17 / ANSI C63.4 ***	**Results**	**Details see section**
Antenna Requirement	7.1.4#	15.317	---	Pass	4.1
Directional Gain of the Antenna	4.1(e)	15.319(e)	4.3.1	Pass	4.2
Radiated Emissions from Receiver Portion of EUT	6.8	---	8 *	Pass	4.4
AC Power Line Conducted Emissions from EUT	6.3	15.315	7 *	Pass	4.5
Radio Frequency Radiation Exposure	RSS-102	15.319(i)	---	Pass	4.6 4.7

Test Engineer:

Simple Shum
Engineer

Date: September 02, 2010

Approved By:

Nip Ming Fung, Melvin
Supervisor

Date: September 02, 2010

1.0 **Summary of Test Results (continued)**

Specific Requirements for UPCS Device					
Test Items	**RSS-213 Clause**	**FCC Part 15 Section**	**Test Procedure ANSI C63.17**	**Results**	**Details see section**
Emissions Outside the Sub-Band	6.7.1	15.323(d)	6.1.6.2	Pass	4.3
Monitoring Antenna	4.3.4(b8)	15.323(c)(8)	4	Pass	4.8

Test Engineer:

Simple Shum
Engineer

Date: September 02, 2010

Approved By:

Nip Ming Fung, Melvin
Supervisor

Date: September 02, 2010

EXHIBIT 2
GENERAL DESCRIPTION

2.0 General Description

2.1 Product Description

The CS6124 is a 1.9GHz Digital Modulation Cordless Phone with Caller ID, Digital Answering Machine and with Single antenna - Base Unit. It operates at frequency range of 1921.536MHz to 1928.448MHz with 5 channels (1921.536MHz, 1923.264MHz, 1924.992MHz, 1926.720MHz and 1928.448MHz). The Base Unit is powered by an AC adaptor 100-120VAC to 6VDC 400mA (Brand: Salcomp and Ten Pao).

The antenna used in base unit is integral, and the test sample is a prototype.

For FCC, The Model(s): CS6124-2, CS6124-11, CS6124-21 and CS612Z-XY are the same as the Model: CS6124 in electrical designs, including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these models are model number and color for marketing purpose. Suffix "Z" indicates different packaging material, “X” indicates different number of handset, and “Y” indicates different color of enclosure.

For IC, The Model(s): CS6124-2, CS6124-11 and CS6124-21 are the same as the Model: CS6124 in electrical designs, including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these model is model number for marketing purpose.

2.2 Technical Description

The circuit description and digital modulation techniques description are saved as filename: descri.pdf.

2.3 Purpose of Change

The purpose of change is saved as filename: product change.pdf

2.4 Test Methodology

The radiated emission measurements for unintentional radiator (if any) and AC power line-conducted emission measurements were performed according to the test procedures specified in ANSI C63.4 (2003). The radiated emission measurements for intentional radiator contained in UPCS device were performed according to the test procedures specified in ANSI C63.17 (2006). All radiated measurements were performed in Open Area Test Sites. Preliminary scans were performed in the Open Area Test Sites only to determine worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "Justification Section" of this Application. All other measurements were made in accordance with the procedures in 47 CFR Part 2 / RSS-Gen Issue 2 (2007).

2.5 Test Facility

The open area test site and conducted measurement facility used to collect the emission data is located at Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong. This test facility and site measurement data have been fully placed on file with the FCC and the Industry Canada.

EXHIBIT 3
SYSTEM TEST CONFIGURATION

3.0 System Test Configuration

3.1 Justification

For emissions testing, the equipment under test (EUT) was set up to transmit continuously in burst mode with pseudo-random data to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables (if any) were manipulated to produce worst-case emissions. The handset (if any) was powered by a fully charged battery.

For the measurements, the EUT was attached to a plastic stand if necessary and placed on the wooden turntable. If the base unit attached to accessories, they were connected and operational (as typical as possible).

The signal was maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization were varied during the search for maximum signal level. The antenna height was varied from 1 to 4 meters. Detector function was in peak mode. Radiated emissions are taken at three meters unless the signal level was too low for measurement at that distance. If necessary, a pre-amplifier was used and/or the test was conducted at a closer distance.

For UPCS transmitter radiated measurement, the spectrum analyzer resolution bandwidth was approximately 1% of EUT emission bandwidth, unless otherwise specified.

For receiver radiated measurement, the spectrum analyzer resolution bandwidth was 1 MHz for measurement above 1 GHz while 100 kHz for measurement from 30 MHz to 1 GHz.

Radiated emission measurements for UPCS transmitter were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Receiver was performed from 30 MHz to the fifth harmonic of the highest frequency or 40 GHz, whichever is lower.

For FCC, RF module for base unit of CS6124 is the same with original granted model CS6114-2. Therefore conducted emission measurement for CS6124 is skipped.

For IC, RF module for base unit of CS6124 is the same with previous granted model CS6114-2. Therefore conducted emission measurement for CS6124 is skipped.

3.2 EUT Exercising Software

The EUT exercise program (if any) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

3.3 Details of EUT and Description of Accessories

Details of EUT:

An AC adaptor and/or a battery (provided with the unit) were used to power the device. Their description are listed below.

(1) Base Unit: An AC adaptor (100-120VAC to 6VDC 400mA, Model: VT0102) (Brand: Salcomp) (Supplied by Client)

(2) Base Unit: An AC adaptor (100-120VAC to 6VDC 400mA, Model: S005IU0600040) (Brand: Ten Pao) (Supplied by Client)

Description of Accessories:

(1) Telephone Line Simulator, Model: TLS-5D-01, S/N: 151101 (Supplied by Intertek)

(2) 3m Telephone Line (Supplied by Intertek)

(3) Telecommunication cable with RJ11C connectors (1m, unshielded), terminated (Supplied by Intertek)

(4) Cordless Handset, Model: CS6114-2, FCC ID: EW780-7718-00 (Provided by Client)

3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

3.5 Equipment Modification

Any modifications installed previous to testing by VTech Telecommunications Ltd. will be incorporated in each production model sold/leased in the United States/Canada.

No modifications were installed by Commercial & Electrical Division, Intertek Testing Services Hong Kong Ltd.

EXHIBIT 4
MEASUREMENT RESULTS

4.0 **Measurement Results**

4.1 Antenna Requirement, FCC Rule 15.317 / RSS-Gen Clause 7.1.4:

EUT must meet the antenna requirement of FCC Rule 15.203 / RSS-Gen Clause 7.1.4.

[×] EUT uses permanently attached antenna(s) which is considered sufficient to comply with the provisions of this rule. Please refer to internal photos.pdf for more details.

[ ] EUT uses unique antenna jack(s) or electrical connector(s) which is considered sufficient to comply with the provisions of this rule. Please refer to internal photos.pdf for more details.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124

4.2 Directional Gain of the Antenna, FCC Rule FCC 15.319(e) / RSS-213 Clause 4.1(e):

The peak transmit power shall be reduced by the amount in dB that the maximum directional gain of the antenna exceeds 3 dBi.

The requirements are made in accordance with ANSI C63.17 sub-clause 4.3.1 / RSS-213 Clause 4.1(e).

[×] Manufacturer declares that the directional gain of the antenna is less than or equal to 3dBi. No peak transmit power reduction is required.

[ ] Manufacturer declares that the directional gain of the antenna is greater than 3dBi. The peak transmit power shall be reduced by _____ dB.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124

4.3 Emissions Outside the Sub-Band, FCC Rule 15.323(d) / RSS-213 Clause 6.7.1:

Emissions outside the sub-band shall be attenuated below a reference power of 112 mW (20.5 dBm) as follows:

1. 30 dB between the band edge and 1.25 MHz above or below the band;
2. 50 dB between 1.25 and 2.5 MHz above or below the band; and
3. 60 dB at 2.5 MHz or greater above or below the band, or shall meet the requirement of FCC Rule 15.319(g) which shall not exceed the limits of FCC Rule 15.209 / RSS-210 Clause 2.6.

Example: Calculation of Limit for emissions between the band edge and 1.25 MHz (1920.000 – 1918.750 MHz)

The emissions shall not exceed the Limit: 20.5 dBm – 30 dB = -9.5 dBm

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.6.2. As EUT has non-detachable antenna(s), radiated emissions test method is used for out-of-band emissions tests. Emissions that are directly caused by digital circuits in the transmit path and transmitter portion are measured.

Test Results:

Channel	Carrier Frequency (MHz)	Measured Band (MHz)	Limit (dBm)	Results
Lowest	1921.536	1920.000 - 1918.750	-9.5	Pass
		1918.750 - 1917.500	-29.5	Pass
		0.009 - 1917.500 & 1932.500 - 19300.000	-39.5 / FCC Rule 15.209 / RSS-210 Clause 2.6	Pass
Highest	1928.448	1930.000 - 1931.250	-9.5	Pass
		1931.250 - 1932.500	-29.5	Pass
		0.009 – 1917.500 & 1932.500 - 19300.000	-39.5 / FCC Rule 15.209 / RSS-210 Clause 2.6	Pass

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Transmission

4.3.1 Radiated Emissions Configuration Photographs:

Worst Case Radiated Emission
at

Base Unit: 5785.344 MHz

The worst case radiated emission configuration photographs are saved as filename: config photos.pdf

4.3.2 Radiated Emissions Data:

Data are included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data in table 1-6 list the significant emission frequencies, the limit and the margin of compliance.

Judgement:

Base Unit - Passed by 4.1 dB margin

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Transmission with Adaptor “Salcomp”

Table 1, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Lowest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1919.026	-44.3	-9.5	-34.8
V	1918.384	-47.6	-29.5	-18.1
V	1917.102	-52.1	-39.5	-12.6
V	3843.072	-44.3	-39.5	-4.8
H	5764.608	-43.8	-39.5	-4.3
H	7686.144	-46.3	-39.5	-6.8
H	9607.680	-46.6	-39.5	-7.1
H	11529.216	-47.0	-39.5	-7.5

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Transmission with Adaptor “Salcomp”

Table 2, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Highest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1930.014	-44.4	-9.5	-34.9
V	1931.264	-47.4	-29.5	-17.9
V	1933.086	-52.0	-39.5	-12.5
V	3856.896	-44.3	-39.5	-4.8
H	5785.344	-43.6	-39.5	-4.1
H	7713.792	-46.3	-39.5	-6.8
H	9642.240	-47.0	-39.5	-7.5
H	11570.688	-47.2	-39.5	-7.7

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Talk with Adaptor “Salcomp”

Table 3, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	48.375	-62.9	-39.5	-23.4
V	72.562	-63.1	-39.5	-23.6
V	96.750	-63.8	-39.5	-24.3
H	120.937	-64.0	-39.5	-24.5
H	145.125	-64.8	-39.5	-25.3
H	169.312	-65.2	-39.5	-25.7

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Transmission with Adaptor “Ten Pao”

Table 4, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Lowest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1919.026	-44.6	-9.5	-35.1
V	1918.384	-47.0	-29.5	-17.5
V	1917.102	-52.2	-39.5	-12.7
V	3843.072	-44.4	-39.5	-4.9
H	5764.608	-43.8	-39.5	-4.3
H	7686.144	-46.7	-39.5	-7.2
H	9607.680	-46.8	-39.5	-7.3
H	11529.216	-47.2	-39.5	-7.7

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Transmission with Adaptor “Ten Pao”

Table 5, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Highest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1930.014	-44.4	-9.5	-34.9
V	1931.264	-47.1	-29.5	-17.6
V	1933.086	-52.1	-39.5	-12.6
V	3856.896	-44.3	-39.5	-4.8
H	5785.344	-43.6	-39.5	-4.1
H	7713.792	-46.3	-39.5	-6.8
H	9642.240	-47.0	-39.5	-7.5
H	11570.688	-47.2	-39.5	-7.7

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Talk with Adaptor “Ten Pao”

Table 6, Base Unit

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d) / RSS-213 Clause 6.7.1
Emissions Requirements

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	48.375	-62.9	-39.5	-23.4
V	72.562	-63.1	-39.5	-23.6
V	96.750	-63.6	-39.5	-24.1
H	120.937	-64.2	-39.5	-24.7
H	145.125	-64.6	-39.5	-25.1
H	169.312	-64.8	-39.5	-25.3

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters.

3. Negative value in the margin column shows emission below limit.

4.3.3 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD + AV

Where FS = Field Strength in dBμV/m
RA = Receiver Amplitude (including preamplifier) in dBμV
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB
AG = Amplifier Gain in dB
PD = Pulse Desensitization in dB
AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

FS = RA + AF + CF - AG + PD + AV

Example
Assume a receiver reading of 62.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29.0 dB is subtracted. The pulse desensitization factor of the spectrum analyzer is 0.0 dB, and the resultant average factor is -10.0 dB. The net field strength for comparison to the appropriate emission limit is 32.0 dBμV/m. This value in dBμV/m is converted to its corresponding level in μV/m.

RA = 62.0 dBμV
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
PD = 0.0 dB
AV = -10 dB

FS = 62.0 + 7.4 + 1.6 – 29.0 + 0.0 + (-10.0) = 32.0 dBμV/m

Level in μV/m = Common Antilogarithm [(32.0 dBμV/m)/20] = 39.8 μV/m

4.3.4 Average Factor Calculation and Transmitter ON Time Measurements, FCC Rule 15.35(b, c) / RSS-Gen cl 4.5

[ ] The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SPAN function on the analyzer was set to ZERO. The transmitter ON time was determined from the resultant time-amplitude display:

Please refer to the attached plots for more details:

The plots of Transmitter ON Time Measurements are saved as filename: txon.pdf

[ ] Please refer to the attached transmitter timing diagram that are provided by manufacturer

[ ] Not applicable - No average factor is required.

[×] Please refer to Technical Description (descri.pdf) for more details

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124

4.4 Radiated Emissions from Receiver, RSS-213 Clause 6.8

The receiver portion is subject to the requirements of RSS-Gen Clause 7.2.3.2 and the radiated emission shall not exceed the limits of Table 1 in RSS-Gen Clause 6 (a).

Measurements are made in accordance with ANSI C63.4 sub-clause 8. Radiated emissions shall be measured with EUT operating in typical operation modes.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Receiving

4.4.1 Radiated Emission Configuration Photographs:

Worst Case Radiated Emission
at

Base Unit: 2888.784 MHz

The worst case radiated emission configuration photographs are saved as filename: config photos.pdf.

4.4.2 Radiated Emissions Data:

Data are included of the worst-case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data in table 7-8 list the significant emission frequencies, the limit and the margin of compliance.

Judgement:

Base Unit: Passed by 13.2 dB margin

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Receiving with Adaptor “Salcomp”

Table 7, Base Unit

Radiated Emissions Data
Pursuant To RSS-213 Clause 6.8 Emissions Requirements

Middle Channel

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-amp (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
V	2888.784	43.2	33	30.4	40.6	54.0	-13.4
V	5777.568	36.6	33	36.6	40.2	54.0	-13.8
H	8666.352	33.5	33	39.5	40.0	54.0	-14.0
H	11555.136	31.9	33	40.5	39.4	54.0	-14.6
H	14443.920	30.5	33	41.7	39.2	54.0	-14.8

NOTES:

1. Peak detector is used for the emission measurement.

2. The resolution bandwidth of the spectrum analyzer shall be 100kHz for spurious emission measurements below 1.0GHz and 1.0MHz for measurements above 1.0GHz.

3. All measurements were made at 3 meters.

4. Negative value in the margin column shows emission below limit.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Receiving with Adaptor “Ten Pao”

Table 8, Base Unit

Radiated Emissions Data
Pursuant To RSS-213 Clause 6.8 Emissions Requirements

Middle Channel

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-amp (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
V	2888.784	43.4	33	30.4	40.8	54.0	-13.2
V	5777.568	37.0	33	36.6	40.6	54.0	-13.4
H	8666.352	33.9	33	39.5	40.4	54.0	-13.6
H	11555.136	32.1	33	40.5	39.6	54.0	-14.4
H	14443.920	30.5	33	41.7	39.2	54.0	-14.8

NOTES:

1. Peak detector is used for the emission measurement.

2. The resolution bandwidth of the spectrum analyzer shall be 100kHz for spurious emission measurements below 1.0GHz and 1.0MHz for measurements above 1.0GHz.

3. All measurements were made at 3 meters.

4. Negative value in the margin column shows emission below limit.

4.5 AC Power Line Conducted Emissions, FCC Rule 15.315 / RSS-213 Clause 6.3:

The AC power line conducted emission shall not exceed the limits of FCC Rule 15.207 / Table 2 in RSS-Gen Clause 7.2.2.

Measurements are made in accordance with ANSI C63.4 sub-clause 7. Emissions that are directly caused by digital circuits in the transmit path and transmitter portion are measured.

[ ] Not applicable – EUT is only powered by battery for operation.

[×] EUT connects to AC power line. Emission Data is listed in following pages.

[ ] Base Unit connects to AC power line and has transmission. Handset connects to AC power line but has no transmission. Emission Data of Base Unit is listed in following pages.

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124
Mode: Talk

4.5.1 AC Power Line Conducted Emissions Configuration Photographs:

Worst Case AC Power Line Conducted Emission
at

Base Unit: 1.70250 MHz

The worst case AC power Line conducted emission configuration photographs are saved as filename: config photos.pdf

4.5.2 AC Power Line Conducted Emissions Data:

The data on the following pages list the significant emission frequencies, the limit, and the margin of compliance.

Judgment:

Base unit: Passed by 11.3 dB margin compared with average limit

The worst case AC power line conducted emission data are saved as filename: conduct.pdf

4.6 Radio Frequency Radiation Exposure, FCC Rule 15.319(i):

EUT is subject to the radio frequency exposure requirements specified in FCC Rule §§ 1.1307(b), 2.1091 and 2.1093. It shall be considered to operate in a “general population / uncontrolled” environment.

[ ] Handset unit: EUT was evaluated for Specific Absorption Rate (SAR) evaluation compliance according to OET Bulletin 65, Supplement C (Edition 01-01). It is in compliance with the SAR evaluation requirements. A SAR test report was submitted at same time and saved as SAR Report.pdf.

[×] Base unit: EUT was evaluated for Maximum Permissible Exposure (MPE) evaluation compliance according to OET Bulletin 65, Supplement C (Edition 01-01). The evaluation calculation results are saved as filename: RF exposure info.pdf.

4.7 Radio Frequency Exposure Compliance, RSS-102:

The Routine RF Exposure Evaluation, Routine SAR Evaluation and Declaration of RF Exposure Compliance are saved as filename: RF exposure.pdf

Company: VTech Telecommunications Ltd. Date of Test: July 24-27, 2010
Model: CS6124

4.8 Monitoring Antenna, FCC Rule 15.323(c)(8) / RSS-213 Clause 4.3.4(b)(8):

The monitoring system shall use the same antenna used for transmission, or an antenna that yields equivalent reception at that location.

[×] EUT uses the same antenna used for transmission and monitoring that is in compliance meet above provision.

[ ] EUT uses difference antenna used for transmission and monitoring. It must be verified that the monitoring antenna provides coverage equivalent to that of the transmitting antenna. Measurements are made in accordance with ANSI C63.17 sub-clause 4.

5.0 **Equipment List**

1) Radiated Emissions Test

Equipment	Biconical Antenna	Log Periodic Antenna	Broad-Band Horn Antenna
Registration No.	EW-0954	EW-0446	EW-1679
Manufacturer	EMCO	EMCO	SCHWARZBECK
Model No.	3104C	3146	BBHA9170
Calibration Date	Apr. 14, 2010	Apr. 26, 2010	Feb. 17, 2010
Calibration Due Date	Apr. 14, 2011	Oct. 26, 2011	Feb. 17, 2011

Equipment	EMI Test Receiver	Double Ridged Guide Antenna	Spectrum Analyzer
Registration No.	EW-2251	EW-1015	EW-2188
Manufacturer	R&S	EMCO	AGILENTTECH
Model No.	ESCI	3115	E4407B
Calibration Date	Oct. 22, 2009	Feb. 09, 2010	Dec. 25, 2009
Calibration Due Date	Oct. 22, 2010	Aug. 09, 2011	Dec. 31, 2010

2) Conducted Emissions Test

Equipment	EMI Test Receiver	LISN	Pulse Limiter
Registration No.	EW-0015	EW-0090	EW-0700
Manufacturer	R&S	R&S	R&S
Model No.	ESHS30	ESH3-Z5	ESH3-Z2
Calibration Date	Aug. 14, 2009	Feb. 05, 2010	Jun. 08, 2009
Calibration Due Date	Aug. 14, 2010	Feb. 05, 2011	Dec. 08, 2010

APPENDIX
EXHIBITS OF APPLICATION FOR CERTIFICATION