Binatone Electronics International Ltd.

Application
For
47 CFR Part 15 Certification – Permissive Change Class II

Unlicensed Personal Communication Service Devices

(Base Unit)

FCC ID: VLJ80-7000-01

Model: L402C, L403C, L404C, L405C, L40xC

Test Report Number: HK09040742-1

Issue Date: April 30, 2009

KS/ ac

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MEASUREMENT/TECHNICAL REPORT

Binatone Electronics International Ltd.

Model: L402C, L403C, L404C, L405C, L40xC

FCC ID: VLJ80-7000-01

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 [10-01-07 Edition] Provision.

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EXHIBIT 1
SUMMARY OF TEST RESULTS

1.0 **Summary of Test Results**

Binatone Electronics International Ltd.

FCC ID: VLJ80-7000-01
MODEL: L402C, L403C, L404C, L405C, L40xC

Technical Requirements				
Test Items	**FCC Part 15 Section**	**Test Procedure ANSI C63.17 / ANSI C63.4 ***	**Results**	**Details see section**
Power Spectral Density	15.319(d)	6.1.5	Pass	4.1
Unwanted Emission Inside the Sub-Band	15.323(d)	6.1.6.1	Pass	4.2
Emissions Outside the Sub-Band	15.323(d)	6.1.6.2	Pass	4.3
AC Power Lines Conducted Emissions from EUT	15.315	7 *	Pass	4.4
Radio Frequency Radiation Exposure	15.319(i)	---	Pass	4.5
Frame Period and Jitter	15.323(e)	6.2.3	Pass	4.6

Test Engineer:

Simple Shum
Engineer

Date: April 30, 2009

Approved By:

Sit Kim Wai, Ken
Assistant Manager

Date: April 30, 2009

EXHIBIT 2
GENERAL DESCRIPTION

2.0 General Description

2.1 Product Description

The L402C is a 1.9GHz Digital Modulation Cordless Phone with Caller ID, Speakerphone, and Digital Answering Machine - Base Unit. It operates at frequency range of 1921.536 MHz to 1928.448 MHz with 5 channels (1921.536MHz, 1923.264MHz, 1924.992MHz, 1926.720MHz and 1928.448MHz). The Base Unit is powered by AC adaptor 110-120VAC to 6VDC 600mA.

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

The Models: L403C, L404C, L405C and L40xC are the same as the Model: L402C in hardware aspect except different number of handsets and chargers. Suffix "x" represents number of handsets and chargers. The difference in model number serves as the marketing strategy.

Connection between the base unit and the telephone network is accomplished through the use of USOC RJ11C in the 2-wire loop calling central office line.

2.2 Technical Description

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

2.3 Purpose of Applicable

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

This is an application for Certification of a PUB - Part 15 Unlicensed PCS Base Station. A Verification has been prepared for the digital portion.

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, conducted emission measurements, and Frame jitter tests 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.

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.

EXHIBIT 3
SYSTEM TEST CONFIGURATION

3.0 System Test Configuration

3.1 Justification

For emissions testing, the equipment under test (EUT) was setup 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 peripherals, 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.

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.

As the base unit has 2 antennas, both have been checked. While conducting the test on one of antennas, another one was being disable its transmission. The data in this report represented the worst-case.

RF module for base unit of L402C is the same with original granted model L402C. Therefore conducted emission measurement for emission bandwidth, peak transmit power, frame repetition stability, carrier stability and listen before transmit requirements for L402C is skipped.

3.2 Conducted Emission Test Configuration

The setup and equipment setting were made in accordance with ANSI C63.17. The antenna of EUT transmitter was replaced by a coaxial cable. The impendence matching of connection, cable loss and external RF attenuator are taken into account. The EUT was arranged to communicate via a fixed carrier frequency between its transmitter and a companion device. The transmission was configured in burst mode with pseudo-random data as typical as normal operation.

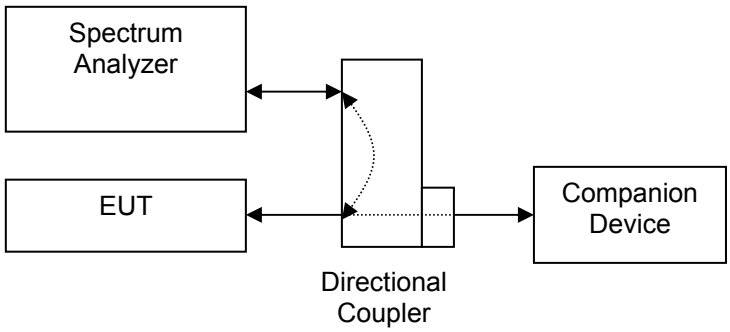

Figure 3.2.1

3.3 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.

3.4 Details of EUT and Description of Peripherals

Details of EUT:

An AC adaptor (provided with the unit) was used to power the device. This description is listed below.

(1) AC adaptor (110-120VAC to 6VDC 600mA, Model: S005IU0600060) (Supplied by Client)

Description of Peripherals:

(1) Handset, Model: L402C, FCC ID: VLJ80-6997-01 (Supplied by Client)
(2) Handset: "Ni-MH" type rechargeable battery pack (2.4V 550mAh) (Supplied by Client)
(3) Telecommunication cable with RJ11C connectors (1m, unshielded), terminated (Supplied by Intertek)

3.5 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty 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.

3.6 Equipment Modification

Any modifications installed previous to testing by Binatone Electronics International Ltd. will be incorporated in each production model sold/leased in the United States.

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

EXHIBIT 4
MEASUREMENT RESULTS

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.0 **Measurement Results**

4.1 Power Spectral Density, FCC Rule 15.319(d):

Power spectral density shall not exceed 3 mW (4.8dBm) in any 3 kHz bandwidth as measured with a spectrum analyzer having a resolution bandwidth of 3 kHz.

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.5. Test setup is shown in section 3.2 Figure 3.2.1.

Test Results:

Ia. Traffic Carrier

Channel	Channel Frequency (MHz)	Measured Power Spectral Density (dBm/3kHz)	Limit (dBm/3 kHz)	Results
Lowest	1921.536	-11.8	4.8	Pass
Highest	1928.448	-14.3	4.8	Pass

Ib. Dummy Carrier

Channel	Channel Frequency (MHz)	Measured Power Spectral Density (dBm/3kHz)	Limit (dBm/3 kHz)	Results
Lowest	1921.536	-15.6	4.8	Pass
Highest	1928.448	-19.7	4.8	Pass

The plots of the power spectral density are saved as filename: psd.pdf

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.2 Unwanted Emission Inside the Sub-Band, FCC Rule 15.323(d):

Emissions inside the sub-band must comply with the following emission mask:

1. In the bands between 1*B* and 2*B* measured from the center of the emission bandwidth, emission shall be at least 30 dB below the permitted peak transmit power.

2. In the bands between 2*B* and 3*B* measured from the center of the emission bandwidth, emission shall be at least 50 dB below the permitted peak transmit power.

3. In the bands between 3*B* and the band edge, emission shall be at least 60 dB below the permitted peak transmit power.

Where *B* = emission bandwidth or occupied bandwidth in Hz

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.6.1. Test setup is shown in section 3.2 Figure 3.2.1.

Test Results:

Ia. Traffic Carrier

Channel	Channel Frequency (MHz)	Results
Lowest	1921.536	Pass
Middle	1924.992	Pass
Highest	1928.448	Pass

Ib. Dummy Carrier

Channel	Channel Frequency (MHz)	Results
Lowest	1921.536	Pass
Middle	1924.992	Pass
Highest	1928.448	Pass

The plots of the unwanted emission inside the sub-band are saved as filename: inband.pdf

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.3 Emissions Outside the Sub-Band, FCC Rule 15.323(d):

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.

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 setup and procedures are described in section 3.2 Figure 3.2.1.

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	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	Pass

Please refer to the section 4.4.1 to 4.4.3 for more details.

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Transmission

4.3.1 Radiated Emissions Configuration Photographs:

Worst Case Radiated Emission
at

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 1-5 list the significant emission frequencies, the limit and the margin of compliance.

Judgement:

Passed by 0.2 dB margin compare with the average limit

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Transmission

Table 1

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d)
Emissions Requirements

Lowest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1919.004	-41.3	-9.5	-31.8
V	1918.700	-46.8	-29.5	-17.3
V	1917.300	-51.6	-39.5	-12.1

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: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Transmission

Table 2

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.209 Emissions Requirements

Lowest Channel:

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBµV/m)	Average Factor (dB)	Calculated at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
V	3843.072	61.0	33	33.3	61.3	14.1	47.2	54.0	-6.8
H	5764.608	64.0	33	36.6	67.6	14.1	53.5	54.0	-0.5
H	7686.144	52.7	33	38.9	58.6	14.1	44.5	54.0	-9.5
H	9607.680	56.5	33	40.4	63.9	14.1	49.8	54.0	-4.2
H	11529.216	56.3	33	40.5	63.8	14.1	49.7	54.0	-4.3
H	13450.752	51.2	33	41.9	60.1	14.1	46.0	54.0	-8.0

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
V	3843.072	61.0	33	33.3	61.3	74.0	-12.7
H	5764.608	64.0	33	36.6	67.6	74.0	-6.4
H	7686.144	52.7	33	38.9	58.6	74.0	-15.4
H	9607.680	56.5	33	40.4	63.9	74.0	-10.1
H	11529.216	56.3	33	40.5	63.8	74.0	-10.2
H	13450.752	51.2	33	41.9	60.1	74.0	-13.9

NOTES:

1. Peak detector is used for the emission measurement over 1000 MHz.

2. All measurements were made at 3 meters.

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

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Transmission

Table 3

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.323 (d)
Emissions Requirements

Highest Channel

Polarization	Frequency (MHz)	Measured Power (dBm)	Power Limit (dBm)	Margin (dB)
V	1930.125	-40.6	-9.5	-31.1
V	1931.520	-47.0	-29.5	-17.5
V	1933.680	-51.8	-39.5	-12.3

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.

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Transmission

Table 4

Radiated Emissions Data
Pursuant To FCC Part 15 Section 15.209 Emissions Requirements

Highest Channel:

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBµV/m)	Average Factor (dB)	Calculated at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
V	3856.896	60.9	33	33.3	61.2	14.1	47.1	54.0	-6.9
H	5785.344	64.3	33	36.6	67.9	14.1	53.8	54.0	-0.2
H	7713.792	52.5	33	38.9	58.4	14.1	44.3	54.0	-9.7
H	9642.240	56.8	33	40.4	64.2	14.1	50.1	54.0	-3.9
H	11570.688	55.6	33	40.5	63.1	14.1	49.0	54.0	-5.0
H	13499.136	51.3	33	41.9	60.2	14.1	46.1	54.0	-7.9

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
V	3856.896	60.9	33	33.3	61.2	74.0	-12.8
H	5785.344	64.3	33	36.6	67.9	74.0	-6.1
H	7713.792	52.5	33	38.9	58.4	74.0	-15.6
H	9642.240	56.8	33	40.4	64.2	74.0	-9.8
H	11570.688	55.6	33	40.5	63.1	74.0	-10.9
H	13499.136	51.3	33	41.9	60.2	74.0	-13.8

NOTES:

1. Peak detector is used for the emission measurement over 1000 MHz.

2. All measurements were made at 3 meters.

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

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Talk

Table 5

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	41.470	-63.8	-39.5	-24.3
V	55.311	-64.0	-39.5	-24.5
V	69.141	-63.5	-39.5	-24.0
H	110.599	-63.3	-39.5	-23.8
H	135.290	-63.2	-39.5	-23.7
H	179.781	-64.2	-39.5	-24.7

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.

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

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.3.4 Average Factor Calculation and Transmitter ON Time Measurements, FCC Rule 15.35(b, c)

Base Unit: (For 5 handsets operation)

Duty Cycle (DC) = Maximum ON time in 10ms/10ms
= (5 x 0.376ms + 0.09ms)/10ms

Average Factor (AF) = 20 log (DC)
= 20* log (0.197)
= -14.1 dB

[×] 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) from the original filing for more details

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.4 AC Power Lines Conducted Emissions from Transmitter portion of EUT, FCC Rule 15.315:

The AC power lines conducted emission shall not exceed the limits of FCC Rule 15.207.

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 lines. Emission Data are listed in following pages. Please refer to the section 4.4.1 to 4.4.2 for more details.

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C
Mode: Talk with Cordless Handset Online

4.4.1 AC Power Lines Conducted Emissions Configuration Photographs:

Worst Case AC Power Line Conducted Emission
at

1.934 MHz

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

4.4.2 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:

Passed by 16.41 dB margin

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

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.5 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.

[ ] 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.

[×] 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.

Company: Binatone Electronics International Ltd. Date of Test: April 2-24, 2009
Model: L402C

4.6 Frame Period and Jitter, FCC Rule 15.323(e):

The frame period (a set of consecutive time slots in which the position of each time slot can be identified by reference to a synchronizing source) of EUT operating in these sub-bands shall be 20 ms or 10 ms/X where X is a positive whole number.

The jitter (time-related, abrupt, spurious variations in the duration of the frame interval) introduced at the two ends of such a communication link shall not exceed 25 μs for any two consecutive transmissions. Transmissions shall be continuous in every time and spectrum window during the frame period defined for EUT.

Measurements are made in accordance with ANSI C63.17 sub-clause 6.2.3. Test setup is shown in section 3.2 Figure 3.2.1. A spectrum analyzer measures the time duration between the rising edges of two consecutive frames. The measurements are taken over 100,000 frames. These measurement values are used to compute mean value and the difference between any two consecutive frame periods. The mean value is the frame period.

Test Results:

Measured Maximum Jitter (μs)	Limit (μs)	Result
-0.1699	±25	Pass

5.0 **Equipment List**

1) Radiated Emissions Test

Equipment	Biconical Antenna	Log Periodic Antenna	Double Ridged Guide Antenna
Registration No.	EW-0954	EW-0446	EW-1015
Manufacturer	EMCO	EMCO	EMCO
Model No.	3104C	3146	3115
Calibration Date	Sep. 30, 2008	Oct. 02, 2008	Jul. 28, 2008
Calibration Due Date	Mar. 30, 2010	Apr. 02, 2010	Jan. 28, 2010

Equipment	EMI Test Receiver	Spectrum Analyzer	RF Pre-Amplifier
Registration No.	EW-0014	EW-2188	EW-1779a
Manufacturer	R&S	AGILENTTECH	MITEQ
Model No.	ESVS30	E4407B	AMF-4D-001120-34-13P
Calibration Date	May 09, 2008	Dec. 18, 2008	Jul. 05, 2008
Calibration Due Date	May 09, 2009	Dec. 18, 2009	Aug. 01, 2009

2) Conducted Emissions Test

Equipment	EMI Test Receiver	LISN	Pulse Limiter
Registration No.	EW-2251	EW-0192	EW-0700
Manufacturer	R&S	R&S	R&S
Model No.	ESCI	ESH3-Z5	ESH3-Z2
Calibration Date	Oct. 28, 2008	Nov. 12, 2008	Dec. 04, 2007
Calibration Due Date	Oct. 28, 2009	Nov. 12, 2009	Jun. 04, 2009

3) Conductive Measurement Test

Equipment	Coaxial directional coupler	Spectrum Analyzer	Digital Radiocommunication Tester for DECT
Registration No.	EW-2337	EW-2253	EW-2460
Manufacturer	MAGNA	R&S	R&S
Model No.	4222-16	FSP40	CMD60
Calibration Date	Nil	Aug. 12, 2008	Aug. 22, 2008
Calibration Due Date	Nil	Aug. 12, 2009	Aug. 22, 2009