TEST REPORT

Report Number: HK10010615-2

Application
for
Original Grant of 47 CFR Part 15 Certification
New Family of RSS-210 Issue 7 Equipment Certification

1.9GHz Digital Modulation Cordless Phone with Caller ID, Speakerphone, Digital Answering Machine and Bluetooth - Base unit (Bluetooth portion)

FCC ID: VLJ80-7638-01

IC: 4522A-80763801

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February 26, 2010	February 26, 2010

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GENERAL INFORMATION

Applicant Name:	Binatone Electronics International Limited
Applicant Address:	Floor 23A, 9 Des Voeux Road West, Sheung Wan, Hong Kong.
FCC Specification Standard:	FCC Part 15: 2008
FCC ID:	VLJ80-7638-01
FCC Model(s):	L512CBT, L513CBT, L514CBT, L515CBT, L51XCBT
IC Specification Standard:	RSS-210 Issue 7, June 2007 RSS-Gen Issue 2, June 2007 RSS-102 Issue 3, June 2009
IC:	4522A-80763801
IC Model(s):	L512CBT, L513CBT, L514CBT, L515CBT
Type of EUT:	Transceiver
Description of EUT:	1.9GHz Digital Modulation Cordless Phone with Caller ID, Speakerphone, Digital Answering Machine and Bluetooth - Base unit (Bluetooth portion)
Serial Number:	N/A
Sample Receipt Date:	January 18, 2010
Date of Test:	January 23, 2010-February 09, 2010
Report Date:	February 26, 2010
Environmental Conditions:	Temperature: +10 to 40°C Humidity: 10 to 90%

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1.0 **Summary of Test Results**

Test Items	FCC Part 15 Section	RSS-210/ RSS-Gen# / RSS-310^ Section	Results	Details see section
Antenna Requirement	15.203	7.1.4#	Pass	2.1
Radiated Emission Radiated Emission on the Bandedge	15.249(a), 209, & 109 15.249(d)	A2.9(a) A2.9(b)	Pass Pass	4.2 4.4
Radiated Emission in Restricted Bands	15.205	2.2	Pass	4.2
Radiated Emission from Receiver	N/A	2.3	Pass	4.3
AC Power Line Conducted Emission	15.207 & 15.107	7.2.2#	Pass	4.5
Radio Frequency Exposure Compliance	N/A	RSS-102	Pass	4.6

Note: Pursuant to FCC Part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over expected variations in temperature and supply voltage were considered.

EXHIBIT 2
GENERAL DESCRIPTION

2.0 General Description

2.1 Product Description

The L512CBT is a 1.9GHz Digital Modulation Cordless Phone with Caller ID, Speakerphone, Digital Answering Machine and Bluetooth. Only base unit has Bluetooth feature, and it operates at frequency range of 2402MHz to 2480MHz with 79 channels. It is powered by an adaptor 110-120VAC to 6.0VDC 600mA. With Bluetooth and 1.9GHz wireless communications enabled, the base unit allows users to use a cordless handset to dial out or receive Bluetooth-equipped cellular phone calls via the cellular network, or use a corresponding Bluetooth-equipped headset instead of the cordless handset. Only one cellular phone or headset can be on a call at a time.

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

For FCC, The Model(s): L513CBT, L514CBT, L515CBT and L51XCBT are the same as the Model: L512CBT in electrical designs including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these models are differences between models to be sold for marketing purpose. Suffix (X) indicates different packaging material, different number of handsets and chargers.

For IC, The Model(s): L513CBT, L514CBT and L515CBT are the same as the Model: L512CBT in electrical designs including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these models are differences between models to be sold for marketing purpose.

The circuit description is attached in the Appendix and saved with filename: descri.pdf.

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

2.2 Test Methodology

Both AC power line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.4 (2003). Preliminary radiated scans and all radiated measurements were performed in Open Area Test Sites. All Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application.

2.2 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data and conducted data are located at Roof Top and 2nd Floor respectively of 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 radiated emissions testing, the equipment under test (EUT) was setup to transmit / receive continuously 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 EUT was powered by a 110 - 120VAC to 6.0VDC 600mA adaptor.

For the measurements, the EUT is attached to a plastic stand if necessary and placed on the wooden turntable. If the base unit attaches to peripherals, they are connected and operational to simulate typical use. If the EUT attaches to peripherals, they are connected and operational to simulate typical use.

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

For EUT powered by AC power line, measurements of the radiated signal level of the fundamental frequency component of the emission was performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

For transmitter radiated measurement, the spectrum analyzer resolution bandwidth was 100 kHz for frequencies below 1000 MHz. The resolution bandwidth was 1 MHz for frequencies above 1000 MHz.

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

Radiated emission measurement for 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 30MHz to the fifth harmonic of the highest frequency or 40GHz, whichever is lower.

Emission that are directly caused by digital circuits in the transmit path and transmitter portion are measured, and the limit are according to FCC Part 15 Section 15.109.

The DECT module was put into transmission mode when taking radiated emission data for determining worst-case spurious emission.

3.1 Justification - Cont'd

Detector function for radiated emissions is in peak mode. Average readings, when required, are taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings. A detailed description for the calculation of the average factor can be found in Exhibit 4.2.3.

Determination of pulse desensitization was made according to *Hewlett Packard Application Note 150-2, Spectrum Analysis... Pulsed RF.* The effective period (Teff) was 625μs. With the resolution bandwidth 1MHz and spectrum analyzer IF bandwidth 3dB, the pulse desensitization factor was 0dB.

For AC line conducted emission test, the EUT along with its peripherals were placed on a 1.0m(W)x1.5m(L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN), which provided 50ohm coupling impedance for measuring instrument. The LISN housing, measuring instrument case, reference ground plane, and vertical ground plane were bounded together. The excess power cable between the EUT and the LISN was bundled.

All connecting cables of EUT and peripherals were manipulated to find the maximum emission.

All relevant operation modes have been tested, and the worst case data is included in this report.

3.2 EUT Exercising Software

The EUT exercise program 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 (provided with the unit) was used to power the device. Their description are listed below.

(1) Base Unit: An AC adaptor (110-120VAC to 6.0VDC 600mA, Model: S005IU0600060) (Supplied by Client)

Description of Accessories:

(1) Handset battery: A "Ni-MH" type rechargeable battery pack 2.4V, 550mAh (Supplied by Client)

(2) Nokia Mobile Phone, Model: 5300, FCC ID: PPIRM-146 (Supplied by Intertek)

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

3.4 Measurement Uncertainty

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

3.5 Equipment Modification

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

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

EXHIBIT 4
TEST RESULTS

4.0 **Test Results**

Data is 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.

4.1 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CF - AG

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

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows:-

FS = RR + LF

where FS = Field Strength in dBμV/m
RR = RA - AG in dBμV
LF = CF + AF in dB

Assume a receiver reading of 52.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving a field strength of 32 dBμV/m. This value in dBμV/m was converted to its corresponding level in μV/m.

RA = 52.0 dBμV
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
FS = RR + LF
FS = 23 + 9 = 32 dBμV/m

RR = 23.0 dBμV
LF = 9.0 dB

Level in μV/m = Common Antilogarithm [(32 dBμV/m)/20] = 39.8 μV/m

4.2 Radiated Emissions

4.2.1 Radiated Emission Configuration Photograph

Worst Case Radiated Emission
at

59.085 MHz

The worst case radiated emission configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

4.2.2 Radiated Emission Data

The data in tables 1-4 list the significant emission frequencies, the limit and the margin of compliance.

Judgement -

Passed by 6.2 dB margin

4.2.3 Transmitter Duty Cycle Calculation

Based on the Bluetooth Specification Version 2.0 / 2.1 + EDR, the transmitter ON time for each timeslot of Bluetooth is 625µs. DH5 has the maximum duty cycle, which consists of 5 continuous Tx slots and 1 Rx slot. Therefore one hopset take (5+1) x 625µs = 3.75ms. For one period for a pseudo-random hopping through all 79 RF channels, it take: 79 x 3.75ms = 296.25ms.

The dwell time for DH5 is 5 x 625µs = 3.125ms.

Therefore,

Duty Cycle (DC) = Maximum On time in 100ms/100ms
= 3.125ms/100ms
= 0.03125

Average Factor (AF) of Bluetooth in dB = 20 log10 (0.03125)
= -30.1dB

Mode: Bluetooth TX-Channel 00

Table 1, Base Unit

Radiated Emission Data

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Average Factor (dB)	Calculated at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
H	2402.000	102.2	33	29.4	30.1	68.5	94.0	-25.5
H	***4804.000***	***54.5***	***33***	***34.9***	***30.1***	***26.3***	***54.0***	***-27.7***
H	7206.000	51.5	33	37.9	30.1	26.3	54.0	-27.7
H	9608.000	48.8	33	40.4	30.1	26.1	54.0	-27.9
H	***12010.000***	***49.9***	***33***	***40.5***	***30.1***	***27.3***	***54.0***	***-26.7***
H	14412.000	50.2	33	40.0	30.1	27.1	54.0	-26.9

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)
H	2402.000	102.2	33	29.4	98.6	114.0	-15.4
H	***4804.000***	***54.5***	***33***	***34.9***	***56.4***	***74.0***	***-17.6***
H	7206.000	51.5	33	37.9	56.4	74.0	-17.6
H	9608.000	48.8	33	40.4	56.2	74.0	-17.8
H	***12010.000***	***49.9***	***33***	***40.5***	***57.4***	***74.0***	***-16.6***
H	14412.000	50.2	33	40.0	57.2	74.0	-16.8

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

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

4. Horn antenna is used for the emission over 1000MHz.

5. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.

Mode: Bluetooth TX-Channel 39

Table 2, Base Unit

Radiated Emission Data

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Average Factor (dB)	Calculated at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
H	2441.000	102.0	33	29.4	30.1	68.3	94.0	-25.7
H	***4882.000***	***55.0***	***33***	***34.9***	***30.1***	***26.8***	***54.0***	***-27.2***
H	***7323.000***	***51.9***	***33***	***37.9***	***30.1***	***26.7***	***54.0***	***-27.3***
H	9764.000	48.8	33	40.4	30.1	26.1	54.0	-27.9
H	***12205.000***	***50.1***	***33***	***40.5***	***30.1***	***27.5***	***54.0***	***-26.5***
H	14646.000	51.9	33	38.4	30.1	27.2	54.0	-26.8

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)
H	2441.000	102.0	33	29.4	98.4	114.0	-15.6
H	***4882.000***	***55.0***	***33***	***34.9***	***56.9***	***74.0***	***-17.1***
H	***7323.000***	***51.9***	***33***	***37.9***	***56.8***	***74.0***	***-17.2***
H	9764.000	48.8	33	40.4	56.2	74.0	-17.8
H	***12205.000***	***50.1***	***33***	***40.5***	***57.6***	***74.0***	***-16.4***
H	14646.000	51.9	33	38.4	57.3	74.0	-16.7

NOTES:
1. Peak detector is used for the emission measurement.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.

Mode: Bluetooth TX-Channel 78

Table 3, Base Unit

Radiated Emission Data

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Average Factor (dB)	Calculated at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
H	2480.000	102.0	33	29.4	30.1	68.3	94.0	-25.7
H	***4960.000***	***55.0***	***33***	***34.9***	***30.1***	***26.8***	***54.0***	***-27.2***
H	***7440.000***	***51.9***	***33***	***37.9***	***30.1***	***26.7***	***54.0***	***-27.3***
H	9920.000	48.8	33	40.4	30.1	26.1	54.0	-27.9
H	***12400.000***	***48.4***	***33***	***40.5***	***30.1***	***25.8***	***54.0***	***-28.2***
H	14880.000	50.2	33	38.4	30.1	25.5	54.0	-28.5

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)
H	2480.000	102.0	33	29.4	98.4	114.0	-15.6
H	***4960.000***	***55.0***	***33***	***34.9***	***56.9***	***74.0***	***-17.1***
H	***7440.000***	***51.9***	***33***	***37.9***	***56.8***	***74.0***	***-17.2***
H	9920.000	48.8	33	40.4	56.2	74.0	-17.8
H	***12400.000***	***48.4***	***33***	***40.5***	***55.9***	***74.0***	***-18.1***
H	14880.000	50.2	33	38.4	55.6	74.0	-18.4

NOTES:
1. Peak detector is used for the emission measurement.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.

Mode: Talk

Table 4, Base unit

Radiated Emission Data

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	59.085	39.8	16	10.0	33.8	40.0	-6.2
H	***119.440***	***35.3***	***16***	***14.0***	***33.3***	***43.5***	***-10.2***
H	179.160	28.7	16	20.0	32.7	43.5	-10.8
H	238.904	30.0	16	19.0	33.0	46.0	-13.0
H	298.626	26.6	16	22.0	32.6	46.0	-13.4
H	358.350	25.0	16	24.0	33.0	46.0	-13.0

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

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

4. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.

4.3 Radiated Emissions from Receiver

4.3.1 Radiated Emission Configuration Photograph

Worst Case Radiated Emission
at

2439.513 MHz

The worst case radiated emission configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

4.3.2 Radiated Emission Data

The data in tables 5 list the significant emission frequencies, the limit and the margin of compliance.

Judgement -

Passed by 5.4 dB margin

Mode: Bluetooth Receiving – Middle Channel

Table 5, Base Unit

Radiated Emissions Data

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-amp (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
V	2439.513	52.2	33	29.4	48.6	54.0	-5.4
V	4879.026	46.3	33	34.9	48.2	54.0	-5.8
H	7318.539	43.1	33	37.9	48.0	54.0	-6.0
H	9758.052	40.2	33	40.4	47.6	54.0	-6.4
H	12197.565	39.7	33	40.5	47.2	54.0	-6.8

NOTES:

1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

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

4. Horn antenna is used for the emission over 1000MHz.

4.4 Radiated Emission on the Bandedge

From the following plots, they show that the fundamental emissions are confined in the specified band (2400MHz and 2483.5MHz). In case of the fundamental emissions are within two standard bandwidths from the bandedge, the delta measurement technique is used for determining bandedge compliance. Standard bandwidth is the bandwidth specified by ANSI C63.4 (2003) for frequency being measured.

Emissions radiated outside of the specified frequency bands, except harmonics, are attenuated by 50 dB below the level of the fundamental or to the general radiated emission limits in FCC Part 15 Section 15.209 / Table 2 of RSS-210, whichever is the lesser attenuation, which meet the requirement of FCC Part 15 Section 15.249(d) / RSS-210 A2.9(b).

Radiated Emission on bandedge plots are attached in the Appendix and saved with filename: be.pdf

Bandedge compliance is determined by applying marker-delta method, i.e.

Resultant Field Strength = Fundamental Emissions - Delta from the plot

Resultant field strength for the lowest and/or highest channel(s), with corresponding average values are calculated as follows:

	Channel	Fundamental Emission (dBµV/m)	Delta from the Plot (dB)	Resultant Field Strength (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)
Base	Lowest	68.5	34.05	34.45	54	-19.55
	Highest	68.3	47.52	20.78	54	-33.22

	Channel	Fundamental Emission (dBµV/m)	Delta from the Plot (dB)	Resultant Field Strength (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)
Base	Lowest	98.6	34.05	64.55	74	-9.45
	Highest	98.4	47.52	50.88	74	-23.12

The resultant field strength meets the general radiated emission limit in FCC Part 15 Section 15.209 / Table 2 of RSS-210, which does not exceed 74dBµV/m for peak limit and also 54dBµV/m for average limit.

4.5 AC Power Line Conducted Emission

[ ] 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.

4.5.1 AC Power Line Conducted Emission Configuration Photograph

The worst case line conducted configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

4.5.2 AC Power Line Conducted Emission Data

The conducted emission test result is attached in the Appendix and saved with filename: conduct.pdf

Judgement -

Passed by more than 20 dB margin

4.6 Radio Frequency Exposure Compliance

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

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-0194
Manufacturer	EMCO	EMCO	EMCO
Model No.	3104C	3146	3115
Calibration Date	Sep. 30, 2008	Oct. 02, 2008	Dec. 24, 2008
Calibration Due Date	Mar. 30, 2010	Apr. 02, 2010	Jun. 24, 2010

Equipment	EMI Test Receiver	RF preamplifier	Spectrum Analyzer
Registration No.	EW-0014	EW-1779a	EW-2188
Manufacturer	R&S	MITEQ	AGILENTTECH
Model No.	ESVS30	AMF-4D-001120	E4407B
Calibration Date	Jun. 01, 2009	Jul. 27, 2009	Dec. 25, 2009
Calibration Due Date	Jun. 01, 2010	Aug. 01, 2010	Dec. 31, 2010

2) Conducted Emissions Test

Equipment	EMI Test Receiver	Pulse Limiter	Artificial Mains
Registration No.	EW-2251	EW-0699	EW-0192
Manufacturer	R&S	R&S	R&S
Model No.	ESCI	ESH3-Z2	ESH3-Z5
Calibration Date	Oct. 22, 2009	Dec. 24, 2009	Nov. 23, 2009
Calibration Due Date	Oct. 22, 2010	Jun. 24, 2011	Nov. 23, 2010

END OF TEST REPORT