MEASUREMENT REPORT
of
CORDLESS TELEPHONE

Applicant	**:**	CIDMATE International Technology Inc.
Model No.	**:**	XG2200xx, XG2201xx
		(x could be numbers or alphabets)
EUT	**:**	2.4GHz Analog Cordless Phone
FCC ID	**:**	PIZXG22001
Report No.	**:**	C5015310

Test by :

Training Research Co., Ltd.

TEL : 886-2-26935155 FAX : 886-2-26934440

No. 255, Nan-yang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C.

CERTIFICATION

We here by verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made mainly in accordance with the procedures given in ANSI C63.4 (1992) as a reference. All test were conducted by ***Training Research Co., Ltd.***, No. 255, Nan-yang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is **in compliance with** the technical requirements set forth in the FCC Rules Part 15 Subpart C Section 15.249.

Applicant	**:**	CIDMATE International Technology Inc.
Product Name	**:**	2.4Hz Analog Cordless Phone
Model No.	**:**	XG2200xx, XG2201xx
FCC ID	**:**	PIZXG22001
Report No.	**:**	C5015310
Test Date	**:**	January 29, 2003

Prepared by: *JACK TSAI* **Approved by:** *FRANK TSAI*

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Tables of Contents

TABLES

I. GENERAL

1.1 Introduction

The following measurement report is submitted on behalf of Applicant in support of a Cordless Telephone certification in accordance with Part 2 Subpart J and Part 15 Subpart A and C of the Commission's Rules and Regulations.

1.2 Description of EUT

Product Name	**:**	2.4GHz Analog Cordless Phone
Model No.	**:**	XG2200xx, XG2201xx (x could be number or alphabets)
FCC ID	**:**	PIZXG22001
Frequency Range	**:**	Base: 2402.55 – 2404.50 MHz Handset: 2474.00 – 2475.95 MHz
Support Channel	**:**	40 Channel
Power Type	**:**	Base Powered by 120Vac, 60 Hz / 9Vdc, 300mA Handset powered by 3.6 V, 600 mAh
Power Cord	**:**	cable of power adapter => Non-shielded, 190cm long, No bead
Data Cable	**:**	RJ-11 x 1 => Non-shielded, 7' long, Plastic hoods, No bead
Applicant	**:**	CID*MATE* International Technology Inc. 3F-B, No. 58, Sec. 1, Minsheng E. Road, Taipei 104, Taiwan

1.3 Description of Support Equipment

In order to construct the minimum testing, following equipment were used as the support units.

PABX	**:**	**King Design**
Model No.	:	KD8705-A
Serial No.	:	GV101101186
Power type	:	110 VAC 60Hz
Power cord	:	Non – Shielded, 185cm long

EarphoneMic	**:**	**God Information Inc.**
Model No.	:	Net8 EarphoneMic
Data cable	:	118cm long, Non – Shielded

1.4 Configuration of System Under Test

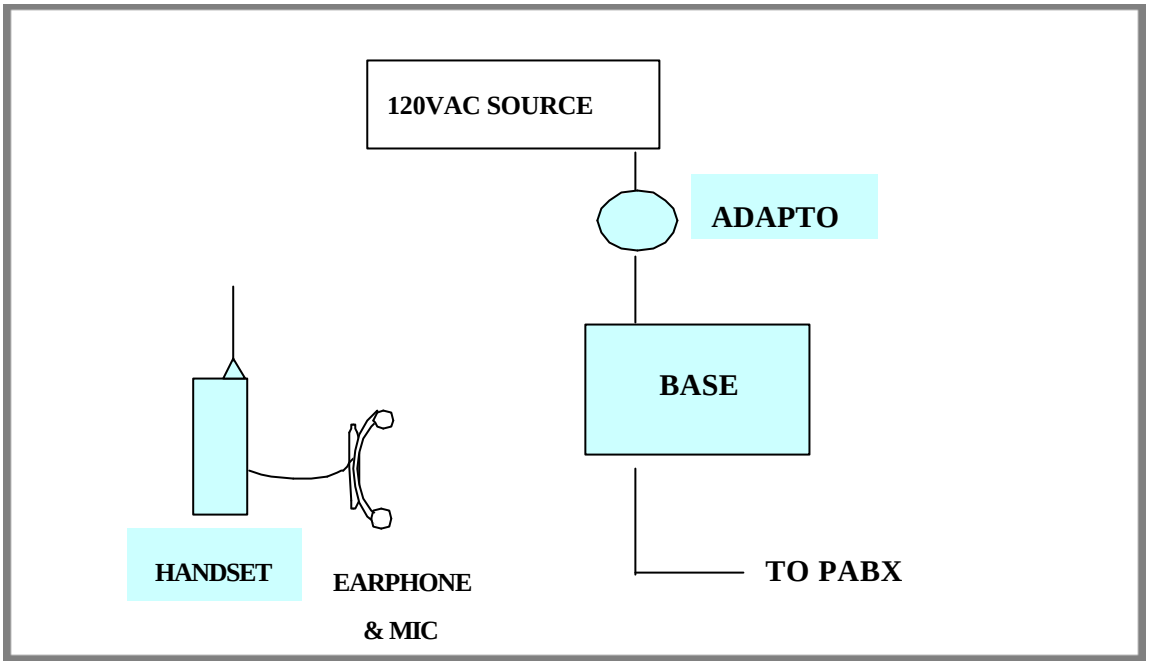

Fig.-1 Configuration of system under test

During testing the EUT was connected to PABX. A diagram of the complete test configuration was shown in Fig-1.

1.5 Test Procedure

All measurements contained in this report were performed mainly according to the techniques described in Measurement procedure ANSI C63.4 (1992).

1.6 Location of the Test Site

The radiated emissions measurements required by the rules were performed on the **three-meter**, **Anechoic Chamber (Registration Number: 93906)** maintained by *Training Research Co., Ltd.* 1F, No. 255, Nan-yang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. Complete description and measurement data have been placed on file with the commission. The conducted power line emissions tests and other test items were performed in an anechoic chamber also located at Training Research Co., Ltd. 1F, No. 255, Nan-yang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. *Training Research Co., Ltd.* is listed by the FCC as a facility available to do measurement work for others on a contract basis.

1.7 General Test Condition

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests was chosen as that which produced the highest emission levels. However, only those conditions which the EUT was considered likely to encounter in normal use were investigated.

In test, the base and handset are tested separately. They were set in Ch01 and Ch40 of EUT and continuously transmitting mode that controlled by test mode of EUT.

II. Conducted Emissions Measurements

2.1 Test Condition & Setup

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the backwall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and Line Impedance Stabilization Networks (LISNs). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in 2.3.

There is a test condition applies in this test item, The setting up procedure is recorded on <1.4>. Three channels were tested, one in the top (CH01) and the other in bottom (CH40).

2.2 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	H P	3520A00242	06/28/02	06/28/03
RF Filter Section	85460A	H P	3448A00217	06/28/02	06/28/03
LISN (EUT)	LISN-01	TRC	9912-03,04	06/04/02	06/04/03
LISN (Support E.)	LISN-01	TRC	9912-05	07/15/02	07/15/03
Auto Switch Box (< 30MHz)	ASB-01	TRC	9904-01	11/20/02	11/20/03

The level of confidence of 95%, the uncertainty of measurement of conducted emission is ± 2.02dB.

2.3 Test Result of Conducted Emissions

The following table shows a summary of the highest emissions of power line conducted emissions on the HOT and NATURAL conductors of the EUT power cord.

Table 1 Power Line Conducted Emissions (Channel 1 of base)

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBmV)*	*QP (dBmV)*	*Average (dBmV)*	*QP-limit (dBmV)*	*AVG-limit (dBmV)*	*Margin (dB)*
Line 1	206.000	47.78	---	---	64.40	54.40	-6.62
	252.000	35.82	---	---	63.09	53.09	-17.27
	363.000	37.78	---	---	59.91	49.91	-12.13
	405.000	41.69	---	---	58.71	48.71	-7.02
	461.000	36.93	---	---	57.11	47.11	-10.18
	504.000	34.50	---	---	56.00	46.00	-11.50
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
Line 2	206.000	47.47	---	---	64.40	54.40	-6.93
	252.000	36.12	---	---	63.09	53.09	-16.97
	302.000	34.46	---	---	61.66	51.66	-17.20
	405.000	41.85	---	---	58.71	48.71	-6.86
	461.000	34.98	---	---	57.11	47.11	-12.13
	504.000	35.24	---	---	56.00	46.00	-10.76
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---

NOTE:

(1) Margin = Amplitude – Limit, ***The reading amplitudes are all under limit.***

(2) A "+" sign in the margin column means the emission is OVER the Class B Limit and "–" sign of means UNDER the Class B limit

Table 2 Power Line Conducted Emissions (Channel 40 of base)

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBmV)*	*QP (dBmV)*	*Average (dBmV)*	*QP-limit (dBmV)*	*AVG-limit (dBmV)*	*Margin (dB)*
Line 1	203.000	47.31	---	---	64.49	54.49	-7.18
	302.000	33.63	---	---	61.66	51.66	-18.03
	352.000	37.05	---	---	60.23	50.23	-13.18
	405.000	42.25	---	---	58.71	48.71	-6.46
	456.000	36.31	---	---	57.26	47.26	-10.95
	504.000	34.89	---	---	56.00	46.00	-11.11
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
Line 2	205.000	49.54	---	---	64.43	54.43	-4.89
	305.000	33.86	---	---	61.57	51.57	-17.71
	352.000	37.31	---	---	60.23	50.23	-12.92
	409.000	42.44	---	---	58.60	48.60	-6.16
	456.000	38.04	---	---	57.26	47.26	-9.22
	504.000	34.84	---	---	56.00	46.00	-11.16
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---

NOTE:

(1)Margin = Amplitude – Limit, ***The reading amplitudes are all under limit.***

(2)A "+" sign in the margin column means the emission is OVER the Class B Limit and "–" sign of means UNDER the Class B limit

Table 3 Power Line Conducted Emissions (Charging mode)

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBmV)*	*QP (dBmV)*	*Average (dBmV)*	*QP-limit (dBmV)*	*AVG-limit (dBmV)*	*Margin (dB)*
Line 1	206.000	48.24	---	---	64.40	54.40	-6.16
	252.000	34.77	---	---	63.09	53.09	-18.32
	352.000	36.88	---	---	60.23	50.23	-13.35
	405.000	40.81	---	---	58.71	48.71	-7.90
	461.000	35.96	---	---	57.11	47.11	-11.15
	504.000	35.05	---	---	56.00	46.00	-10.95
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
Line 2	206.000	47.54	---	---	64.40	54.40	-6.86
	255.000	35.35	---	---	63.00	53.00	-17.65
	355.000	37.22	---	---	60.14	50.14	-12.92
	405.000	42.32	---	---	58.71	48.71	-6.39
	456.000	37.22	---	---	57.26	47.26	-10.04
	509.000	36.08	---	---	56.00	46.00	-9.92
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---
	---	---	---	---	---	---	---

NOTE:

(1)Margin = Amplitude – Limit, ***The reading amplitudes are all under limit.***

(2)A "+" sign in the margin column means the emission is OVER the Class B Limit and "–" sign of means UNDER the Class B limit

III. Radiated Emissions Measurements

3.1 Test Condition & Setup

The EUT was placed in an anechoic chamber and scanned at 3 meter distance to determine its emission characteristics. The physical arrangement of the EUT was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude, directivity, and frequency. The exact system configuration which produced the highest emissions was noted so it could be reproduced later during the final tests. This was done to ensure that the final measurements would demonstrate the worst-case interference potential of the EUT.

Final radiation measurements were made on a three-meter, anechoic chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter.

The spectrum was examined from 30 MHz to 1000 MHz using an Hewlett Packard 85460A EMI Receiver, Schwarzeck whole range Small Biconical antenna (Model No.: BBVU9135) is used to measure frequency from 30 MHz to 1GHz. The final test is used the HP 85460A spectrum and 8564E spectrum was examined from 1GHz to 25GHz using an Hewlett Packard Spectrum Analyzer, EMCO/CMT Horn Antenna (Model 3115 / RA42-K-F-4B-C) for 1G - 25GHz.

At each frequency, the handset of EUT stands on three orthogonal planes respectively and the EUT was rotated 360 degrees. The antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. There are two spectrum analyzers use on this testing, HP 8546A for frequency 30MHz to 1000MHz, and HP8564E for frequency 1 GHz to 25GHz. No post-detector video filters were used in the test. The spectrum analyzer's 6 dB bandwidth was set to 120KHz (spectrum was examined from 30 MHz to 1000 MHz), the spectrum analyzer's 6 dB bandwidth was set to 1 MHz (spectrum was examined from 1 GHz to 25GHz) and the analyzer was operated in the maximum hold mode.

The actual field intensity in decibels referenced to 1 microvolt per meter (dBìV/m) is determined by algebraically adding the measured reading in dBìV, the antenna factor (dB), and cable loss (dB) at the appropriate frequency.

For frequency between 30MHz to 1000MHz

FIa (dBìV/m) = FIr (dBìV) - Correction Factors

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss

For frequency between 1GHz to 25GHz

FIa (dBìV/m) = FIr (dBìV) + Correction Factor

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss – Amplifier Gain

3.2 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	H P	3520A00242	06/28/02	06/28/03
RF Filter Section	85460A	H P	3448A00217	06/28/02	06/28/03
Small Biconical Antenna and Balun	BBVU9135 UBAA9114	Schwarzeck	127	05/07/02	05/07/03
Switch/Control Unit (>30MHz)	3488A	HP	N/A	11/20/02	11/20/03
Auto Switch Box (>30MHz)	ASB-01	TRC	9904-01	11/20/02	11/20/03
Spectrum Analyzer	8564E	HP	US36433002	08/01/02	08/01/03
Microwave Preamplifier	83051A	HP	3232A00347	08/01/02	08/01/03
Horn Antenna	3115	EMCO	9704 – 5178	08/01/02	08/01/03
Anechoic Chamber (cable calibrated together)				05/20/02	05/20/03

The level of confidence of 95% , the uncertainty of measurement of radiated emission is ± 3.44dB .

3.3 Test Result of Radiated Emissions

The peak values of fundamental emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Testing room : Temperature : 24 ° C Humidity : 48 % RH

Table 4 Fundamental Emissions

Channel	Frequency (MHz)	A. P. (H/V)	A.H. (cm)	Table (degree)	Peak (dBìV/m)	Limit (dBìV)	Margin (dBìV)
Base 1	2402.55	H	100.00	158	79.65	94.00	-14.35
		V	100.00	112	78.98	94.00	-15.02
Base 40	2404.50	H	100.00	23	79.49	94.00	-14.51
		V	100.00	289	78.49	94.00	-15.51
Handset 1	2474.00	H	100.00	65	75.69	94.00	-18.31
		V	100.00	109	72.69	94.00	-21.31
Handset 40	2475.95	H	100.00	220	75.37	94.00	-18.63
		V	100.00	307	73.70	94.00	-20.30

Note:

1. A. P. means antenna polarization, horizontal and vertical.
2. A. H. means antenna height.
3. Table means turntable turning position.
4. Amplitude means the fundamental emission measured.
5. Margin = Amplitude-limit

3.4 Test Result of Spurious Radiated Emissions

The highest peak values of radiated emissions form the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Testing room : Temperature : 24 ° C Humidity : 48 % RH

Table 5 Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
800.85	63.75	1.00	272	18.91	44.84	46.00	-1.16

Table 6 Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
800.85	57.15	1.00	101	18.91	38.24	46.00	-7.76

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude – Correction Factors = Corrected

Table 7 Open Field Radiated Emissions for 1GHz ~ 25GHz [Channel 01, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
2483.33	36.67	100.00	16	3.41	40.08	53.96	-13.88

Table 8 Open Field Radiated Emissions for 1GHz ~ 25GHz [Channel 01, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
2485.42	37.67	100.00	201	3.42	41.09	53.96	-12.87

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor = Corrected

Table 9 Radiated Emissions for 30MHz ~ 1GHz [Channel 40, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
801.50	64.26	1.00	271	18.94	45.32	46.00	-0.68

Table 10 Radiated Emissions for 30MHz ~ 1GHz [Channel 40, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
801.50	59.85	1.31	243	18.94	40.91	46.00	-5.09

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude – Correction Factors = Corrected

Table 11 Radiated Emissions for 1GHz ~ 25GHz [Channel 40, Base Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
2485.42	36.17	100.00	36	3.42	39.59	53.96	-14.37

Table 12 Radiated Emissions for 1GHz ~ 25GHz [Channel 40, Base Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
2485.42	37.67	100.00	89	3.42	41.09	53.96	-12.87

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor = Corrected

Table 13 Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
797.28	58.74	1.00	140	13.68	45.06	46.00	-0.94
824.67	56.96	1.00	190	14.56	42.40	46.00	-3.60

Table 14 Radiated Emissions for 30MHz ~ 1GHz [Channel 01, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
797.28	48.30	1.00	194	13.68	34.62	46.00	-11.38

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude – Correction Factors = Corrected

Table 15 Radiated Emissions for 1GHz ~ 25GHz [Channel 01, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1650.00	40.66	100.00	251	2.81	43.47	54.00	-10.53

Table 16 Radiated Emissions for 1GHz ~ 25GHz [Channel 01, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1650.00	39.00	100.00	334	2.81	41.81	54.00	-12.19

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor = Corrected

Table 17 Radiated Emissions for 30MHz ~ 1GHz [Channel 40, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
797.93	58.66	1.00	155	13.69	44.97	46.00	-1.03
825.32	57.15	1.00	211	14.58	42.57	46.00	-3.43

Table 18 Radiated Emissions for 30MHz ~ 1GHz [Channel 40, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBìV)	Ant. H. (cm)	Table (°)	(dB)	(dBìV/m)	Limit (dBìV/m)	Margin (dB)
797.93	50.01	1.00	156	13.69	36.32	46.00	-9.68

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude – Correction Factors = Corrected

Table 19 Radiated Emissions for 1GHz ~ 25GHz [Channel 40, Handset Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1650.00	37.33	100.00	247	2.81	40.14	54.00	-13.86

Table 20 Radiated Emissions for 1GHz ~ 25GHz [Channel 40, Handset Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (cm)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
1650.00	47.33	100.00	379	2.81	50.14	54.00	-3.86

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor = Corrected

Ⅳ. Verify Frequencies and Channels

This is for sure that all frequencies are in 2402MHz to 2476MHz that verifies the frequency as follow

Table 21 Verify the Frequency Pairs

Channel	Handset (MHz)	Base (MHz)	Channel	Handset (MHz)	Base (MHz)
1	2474.00	2402.55	21	2475.00	2403.55
2	2474.05	2402.60	22	2475.05	2403.60
3	2474.10	2402.65	23	2475.10	2403.65
4	2474.15	2402.70	24	2475.15	2403.70
5	2474.20	2402.75	25	2475.20	2403.75
6	2474.25	2402.80	26	2475.25	2403.80
7	2474.30	2402.85	27	2475.30	2403.85
8	2474.35	2402.90	28	2475.35	2403.90
9	2474.40	2402.95	29	2475.40	2403.95
10	2474.45	2403.00	30	2475.45	2404.00
11	2474.50	2403.05	31	2475.50	2404.05
12	2474.55	2403.10	32	2475.55	2404.10
13	2474.60	2403.15	33	2475.60	2404.15
14	2474.65	2403.20	34	2475.65	2404.20
15	2474.70	2403.25	35	2475.70	2404.25
16	2474.75	2403.30	36	2475.75	2404.30
17	2474.80	2403.35	37	2475.80	2404.35
18	2474.85	2403.40	38	2475.85	2404.40
19	2474.90	2403.45	39	2475.90	2404.45
20	2474.95	2403.50	40	2475.95	2404.50

Section 15.214(d) <u>The security code is set automatic:</u>

Every time when you place the handset in the base, your cordless will randomly select over one million possible security codes.