EMC Compliance Management Group
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Mountain View, CA 94043
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Competent Body Approval #: 14082
NVLAP Lab code: 200068-0

EMC TEST REPORT

On Model: 39213
Prepared for UNICAL ENTERPRISES, INC.

According to FCC Part 15 Class B
CERTIFICATION REPORT

FCC ID #:	*LZX39213*
Prepared by:	*Arcelia Maldonado*
QC Manager:	*Michael J. Azar*

DECLARATION OF CONFORMITY

According to FCC Part 15

Responsible Party Name	:	***Unical Enterprises, Inc.***
Address	:	***16960 Gale Avenue City of Industry, CA 91745***
Telephone	:	***(626) 965-5588***
Declares that product	:	***900MHz Cordless Phone System (base and handset)***
Model Name	:	***39213***

Complies with Part 15 of the FCC Rules.

This device complies with Part 15 of the FCC rules. Operations is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

Date: _____

Phone: _____

Fax: _____

Signature: _____

Test Laboratory:

This is the result of tests, that were carried out from the submitted product sample(s) in conformity with the specification of the respective standards. The certification holder has the right to affix the FCC label on the product complying with the inspection sample.

EMC COMPLIANCE MANAGEMENT GROUP

670 National Ave. Mountain View, CA 94043
650-988-0900 650-988-6647(Fax)

NVLAP

Accreditation #: 200068-0

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ADMINISTRATIVE DATA

Test Sample	*: 39213*
FCC ID Number	*: LZX39213*
Manufacturer	*: Unical Enterprises, Inc.* *16960 Gale Avenue* *City of Industry, CA 91745*
Telephone	*: (626) 965-5588*
Fax	*: (626) 965-0970*

EUT Description

Unical Enterprises, Inc., model 39213 (referred to as the EUT in this report) is a 40 channel 900MHz Cordless Phone System.

Test Summary

The Electromagnetic Compatibility requirements on Model 39213 for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment Under Test (EUT). This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

Emission Tests			
Specifications	***Test Results***	***Test Point***	***Remark***
CFR 47 Part 15 Section 15.203	*Permanent Antenna*	*N/A*	*Complies*
CFR 47 Part 15 Section 15.214	*Complies*	*Enclosure*	*Complies*
CFR 47 Part 15 Section 15.107 & 15.207	*Conducted Emission Test*	*AC Input Port*	*Pass Attachment 1*
CFR 47 Part 15 Section 15.249	*Complies*	*Enclosure*	*Pass Attachment 2*
CFR 47 Part 15 Section 15.109 & 15.209	*Radiated Emission Test*	*Enclosure*	*Pass Attachment 3*

Test Location

EMC Compliance Management Group is located at 670 National Ave., Mountain View, CA 94043, USA.

Accreditation Bodies

EMC Compliance Management Group is a fully accredited Test Laboratory for ITE, ISM and Telecommunications Products.

Laboratory Assessment #: *14082, Approved by Assessment Services, A U. K. Competent Body, as meeting the requirements of EN45001and ISO Guide 25.*

In compliance with the site registration requirements of Section 2.948 of the FCC Rules to perform EMI measurements for the general public.

Accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code # 200068-0.

Registered in accordance with Japanese VCCI Regulations.

Compliance with 15.214 (d)

The Excursion® uses a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. The Excursion® has 65,536 possible security code combinations, which is randomly generated every time that handset is picked up. The automatic channel selection procedure for this phone is contained on the following several pages.

AUTOMATIC CHANNEL SELECTION MECHANISM
MODEL 39213

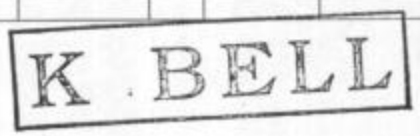
During the activation of Talk, the Handset receiver scans for free channels from its Default channel (about 80ms for channel) and stores the status to its memory. Once a free channel is found. the Handset transmits the Talk instruction to Base.

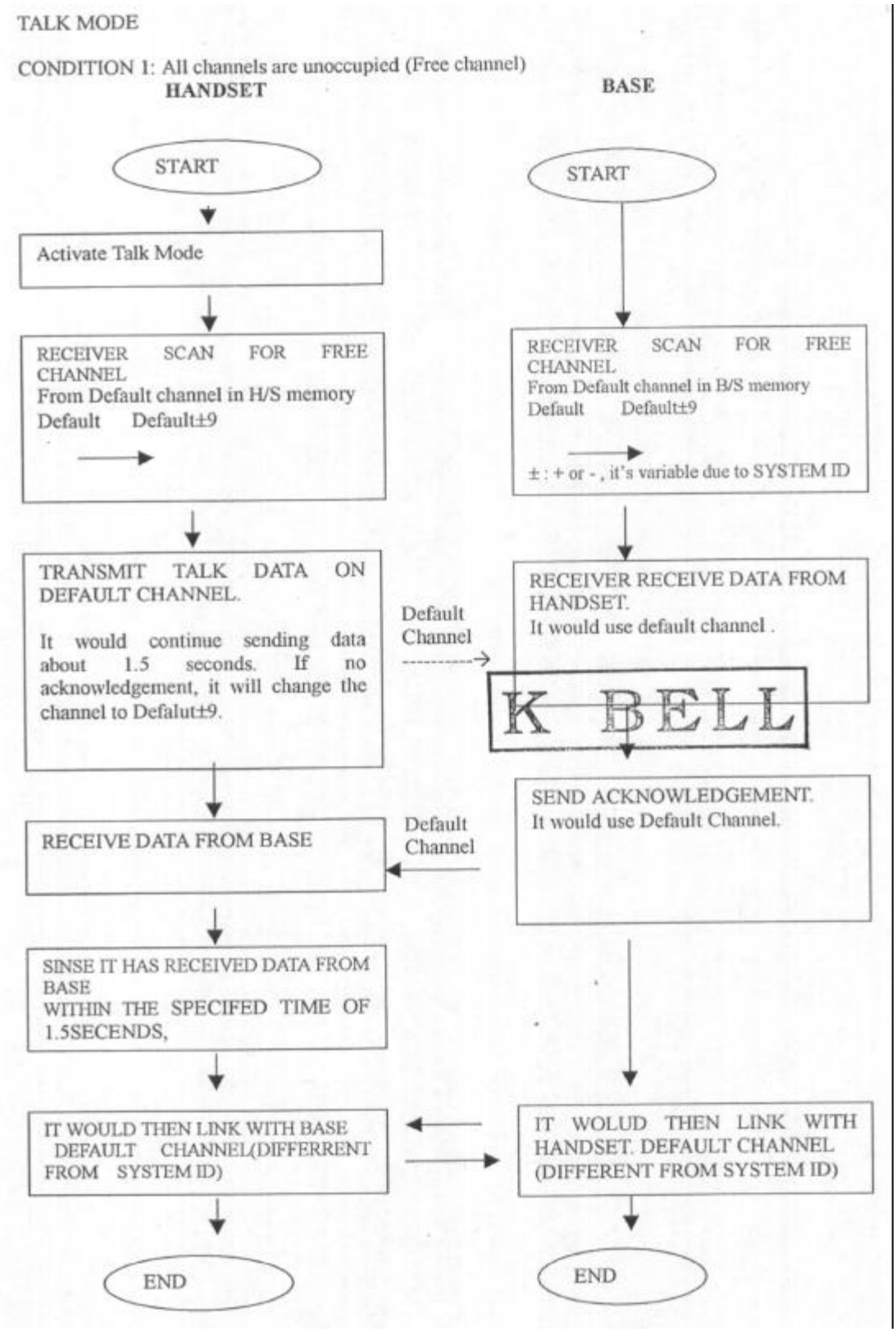
Likewise, the Base receiver continuously scans for free channels from its Default channel (about 120ms per channel) and stores the status to its memory. Once the Base receiver received the instruction from the Handset, it will stop from scanning and transmits the acknowledgement data.

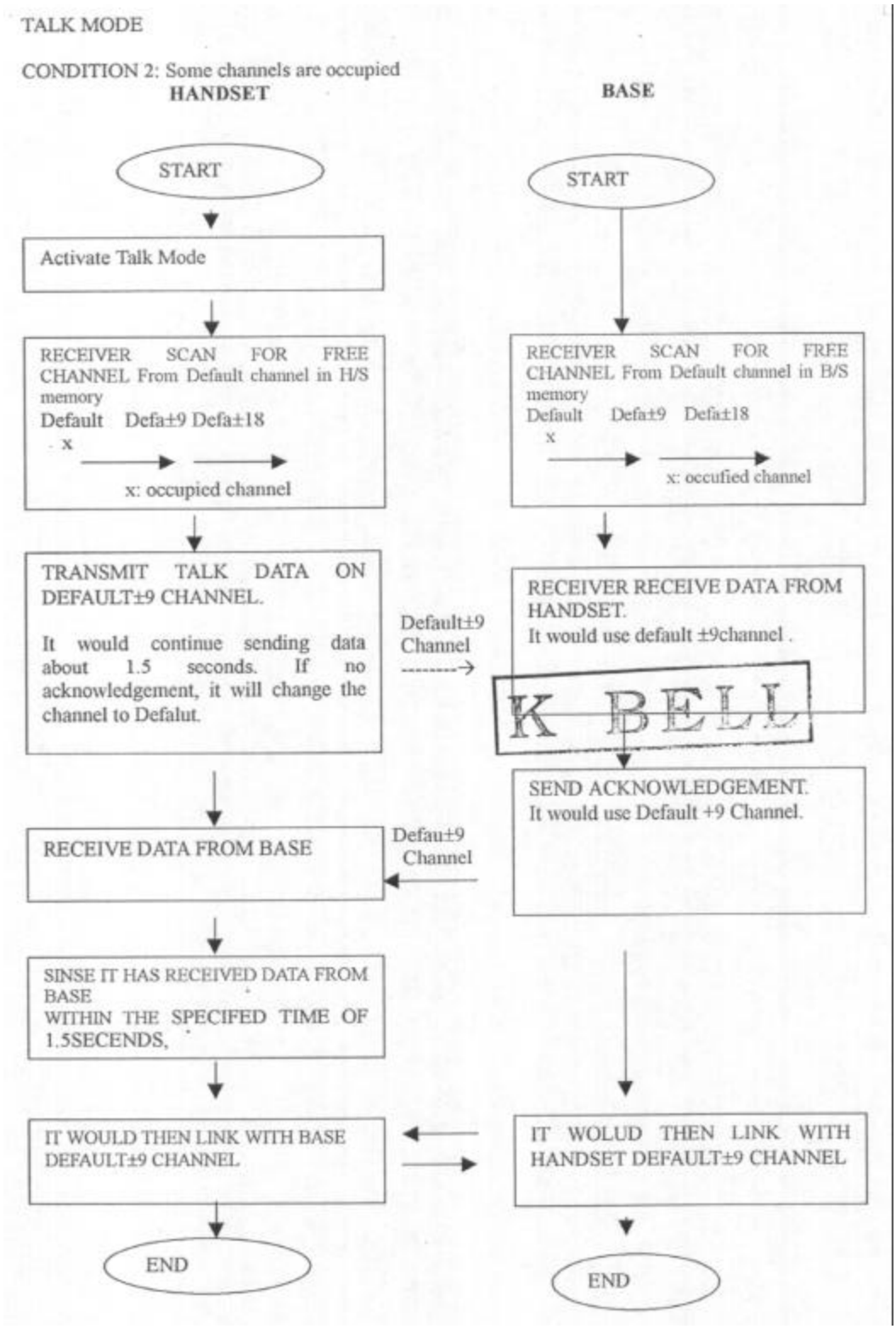
Each unit has a different Default Channel . it is generated from the unit's ID.

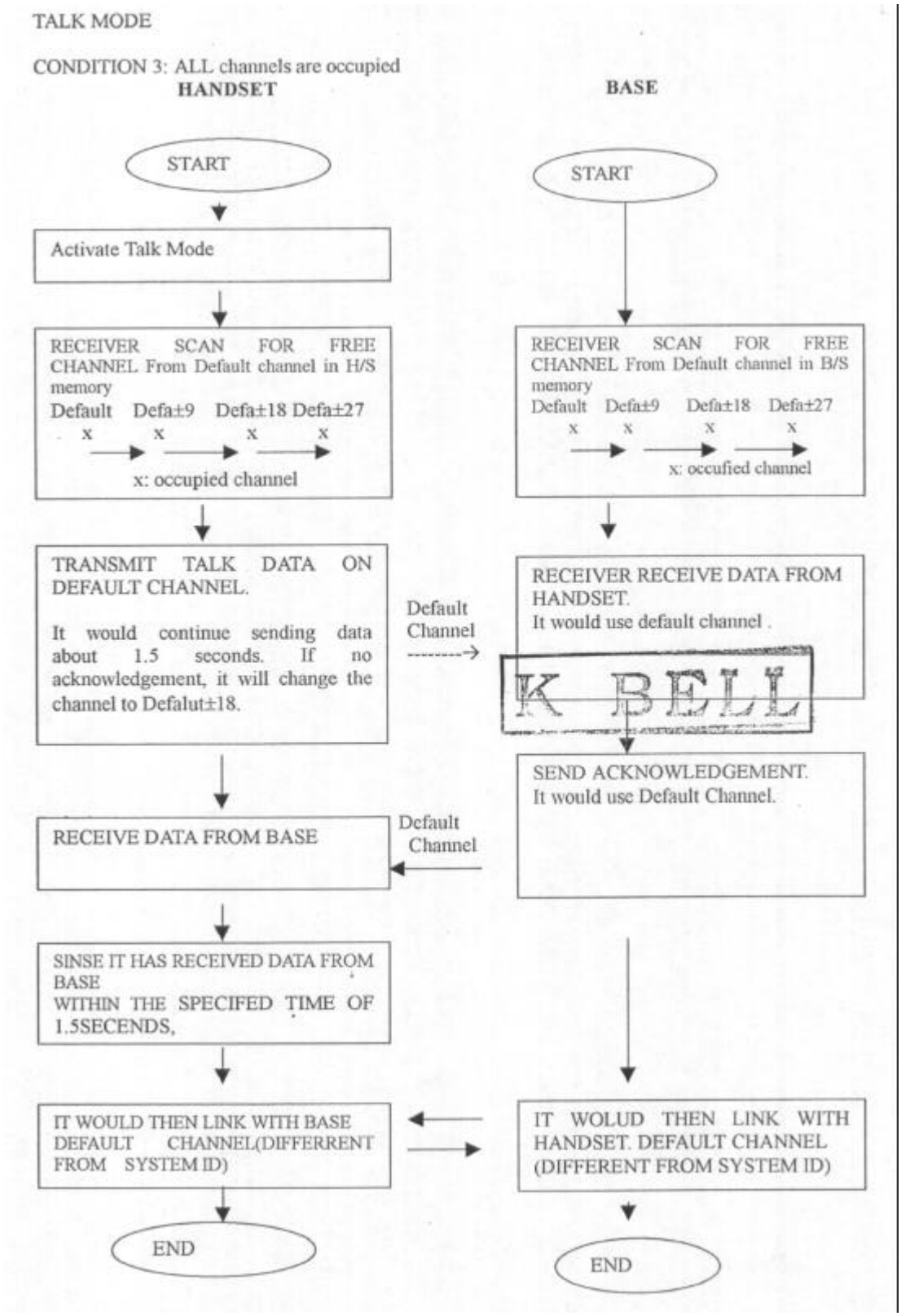
If all of transmit channels of Handset and Base are occupied (all busy), Handset and Base will link on the Default channel.

BASE			HANDSET		BASE			HANDSET	
CH	TX	RX	TX	RX	CH	TX	RX	TX	RX
1	902.025	926.025	926.025	902.025	21	903.025	927.025	927.025	903.025
2	902.075	926.075	926.075	902.075	22	903.075	927.075	927.075	903.075
3	902.125	926.125	926.125	902.125	23	903.125	927.125	927.125	903.125
4	902.175	926.175	926.175	902.175	24	903.175	927.175	927.175	903.175
5	902.225	926.225	926.225	902.225	25	903.225	927.225	927.225	903.225
6	902.275	926.275	926.275	902.275	26	903.275	927.275	927.275	903.275
7	902.325	926.325	926.325	902.325	27	903.325	927.325	927.325	903.325
8	902.375	926.375	926.375	902.375	28	903.375	927.375	927.375	903.375
9	902.425	926.425	926.425	902.425	29	903.425	927.425	927.425	903.425
10	902.475	926.475	926.475	902.475	30	903.475	927.475	927.475	903.475
11	902.525	926.525	926.525	902.525	31	903.525	927.525	927.525	903.525
12	902.575	926.575	926.575	902.575	32	903.575	927.575	927.575	903.575
13	902.625	926.625	926.625	902.625	33	903.625	927.625	927.625	903.625
14	902.675	926.675	926.675	902.675	34	903.675	927.675	927.675	903.675
15	902.725	926.725	926.725	902.725	35	903.725	927.725	927.725	903.725
16	902.775	926.775	926.775	902.775	36	903.775	927.775	927.775	903.775
17	902.825	926.825	926.825	902.825	37	903.825	927.825	927.825	903.825
18	902.875	926.875	926.875	902.875	38	903.875	927.875	927.875	903.875
19	902.925	926.925	926.925	902.925	39	903.925	927.925	927.925	903.925
20	902.975	926.975	926.975	902.975	40	903.975	927.975	927.975	903.975



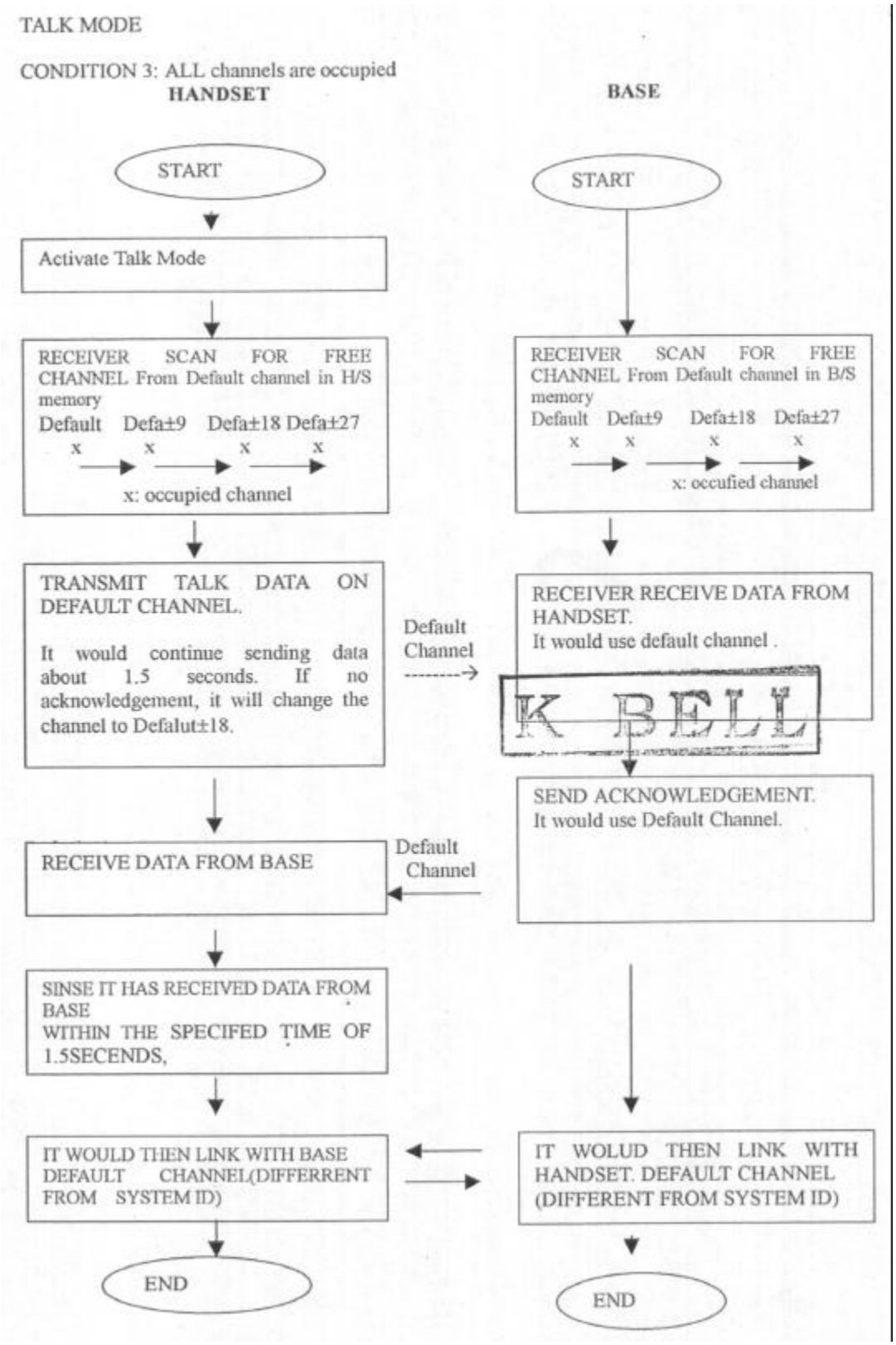

TALK MODE
CONDITION 1: All channels are unoccupied (Free channel)
HANDSET
BASE
START
START
Activate Talk Mode
RECEIVER SCAN FOR FREE CHANNEL
From Default channel in H/S memory
Default Default±9
RECEIVER SCAN FOR FREE CHANNEL
From Default channel in B/S memory
Default Default±9
± : + or - , it's variable due to SYSTEM ID
TRANSMIT TALK DATA ON DEFAULT CHANNEL.
It would continue sending data about 1.5 seconds. If no acknowledgement, it will change the channel to Defalut±9.
Default Channel
RECEIVER RECEIVE DATA FROM HANDSET.
It would use default channel .
K BELL
SEND ACKNOWLEDGEMENT.
It would use Default Channel.
Default Channel
RECEIVE DATA FROM BASE
SINSE IT HAS RECEIVED DATA FROM BASE
WITHIN THE SPECIFED TIME OF 1.5SECENDS,
IT WOULD THEN LINK WITH BASE DEFAULT CHANNEL(DIFFERRENT FROM SYSTEM ID)
IT WOLUD THEN LINK WITH HANDSET. DEFAULT CHANNEL (DIFFERENT FROM SYSTEM ID)
END
END


TALK MODE
CONDITION 2: Some channels are occupied
HANDSET
BASE
START
START
Activate Talk Mode
RECEIVER SCAN FOR FREE CHANNEL From Default channel in H/S memory
Default Defa±9 Defa±18
x
x: occupied channel
RECEIVER SCAN FOR FREE CHANNEL From Default channel in B/S memory
Default Defa±9 Defa±18
x
x: occufied channel
TRANSMIT TALK DATA ON DEFAULT±9 CHANNEL.
It would continue sending data about 1.5 seconds. If no acknowledgement, it will change the channel to Defalut.
Default±9 Channel
RECEIVER RECEIVE DATA FROM HANDSET.
It would use default ±9channel .
K BELL
SEND ACKNOWLEDGEMENT.
It would use Default +9 Channel.
RECEIVE DATA FROM BASE
Defau±9 Channel
SINSE IT HAS RECEIVED DATA FROM BASE
WITHIN THE SPECIFED TIME OF 1.5SECENDS,
IT WOULD THEN LINK WITH BASE DEFAULT±9 CHANNEL
IT WOLUD THEN LINK WITH HANDSET DEFAULT±9 CHANNEL
END
END


TALK MODE
CONDITION 3: ALL channels are occupied
HANDSET
BASE
START
START
Activate Talk Mode
RECEIVER SCAN FOR FREE CHANNEL From Default channel in H/S memory
Default Defa±9 Defa±18 Defa±27
x x x x
x: occupied channel
RECEIVER SCAN FOR FREE CHANNEL From Default channel in B/S memory
Default Defa±9 Defa±18 Defa±27
x x x x
x: occufied channel
TRANSMIT TALK DATA ON DEFAULT CHANNEL.
It would continue sending data about 1.5 seconds. If no acknowledgement, it will change the channel to Defalut±18.
Default Channel
RECEIVER RECEIVE DATA FROM HANDSET.
It would use default channel .
K BELL
SEND ACKNOWLEDGEMENT.
It would use Default Channel.
RECEIVE DATA FROM BASE
Default Channel
SINSE IT HAS RECEIVED DATA FROM BASE
WITHIN THE SPECIFED TIME OF 1.5SECENDS,
IT WOULD THEN LINK WITH BASE DEFAULT CHANNEL(DIFFERRENT FROM SYSTEM ID)
IT WOLUD THEN LINK WITH HANDSET. DEFAULT CHANNEL (DIFFERENT FROM SYSTEM ID)
END
END

TALK MODE

CONDITION 3: ALL channels are occupied



Test Result

1. SYSTEM ID LSB 5bits 0 ~ 15

Interference channel at	Phone preset channel at	Phone auto scan to channel at - 13dBm
1	1	10
2	2	11
3	3	12
4	4	13
5	5	14
6	6	15
7	7	16
8	8	17
9	9	18
10	10	19
11	11	20
12	12	21
13	13	22
14	14	23
15	15	24
16	16	25
17	17	26
18	18	27
19	19	28
20	20	29
21	21	30
22	22	31
23	23	32
24	24	33
25	25	34
26	26	35
27	27	36
28	28	37
29	29	38
30	30	39
31	31	40
32	32	1
33	33	2
34	34	3
35	35	4
36	36	5
37	37	6
38	38	7
39	39	8
40	40	9

2. SYSTEM ID LSB 5bits 16 ~ 31

Interference channel at	Phone preset channel at	Phone auto scan to channel at - 13dBm
1	1	32
2	2	33
3	3	34
4	4	35
5	5	36
6	6	37
7	7	38
8	8	39
9	9	40
10	10	1
11	11	2
12	12	3
13	13	4
14	14	5
15	15	6
16	16	7
17	17	8
18	18	9
19	19	10
20	20	11
21	21	12
22	22	13
23	23	14
24	24	15
25	25	16
26	26	17
27	27	18
28	28	19
29	29	20
30	30	21
31	31	22
32	32	23
33	33	24
34	34	25
35	35	26
36	36	27
37	37	28
38	38	29
39	39	30
40	40	31

Antenna Requirement 15.203

The transmitter uses a permanently connected antenna.

Product Labeling and user's manual information

FCC ID: LZX39213

Note: Due to size limitations, the following paragraph will appear in the user's manual for this device.

This device complies with Part 15 of the FCC rules. Operations is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be insured when using this phone.

Note: The following text, among other text, will also appear in the user's manual for this device.

Changes or modifications not expressly approved in writing by Unical Enterprises, Inc. may void the user's authority to operate this equipment.

Some cordless phones operate at frequencies that may cause interference to nearby TVs and VCRs; to minimize or prevent such interference, the base of the cordless phone should not be placed near or on top of a TV or VCR; and, if interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

Location of label is placed on EUT (please refer to the photographs of EUT).

Equipment Modification

Any modifications installed previous to testing by Unical Enterprises, Inc. will be incorporated in each production model 39213 sold or leased in United States.

There were no modifications installed by EMC Compliance Management Group.

System Test Justification

Phone base is set on top of the table together with the handset. Phone line connections are then made to an active phone wall outlet and monitored for dial tone. Phone is working when dial tone is present and a trial call is made to an outside line. With the phone activated to one channel, the receiver is set for the base frequency. The base frequency is monitored for the highest peak emission by achieving worst case conditions. This is accomplished by rotating the table, moving the base antenna horizontal or vertical and also moving the handset along its three axis (x, y, and z). Similarly, the corresponding handset frequency is monitored for the highest peak emission using the procedure described above. Once all the worst case conditions are noted, final test is done on all channels of the phone according to the tests required by FCC.

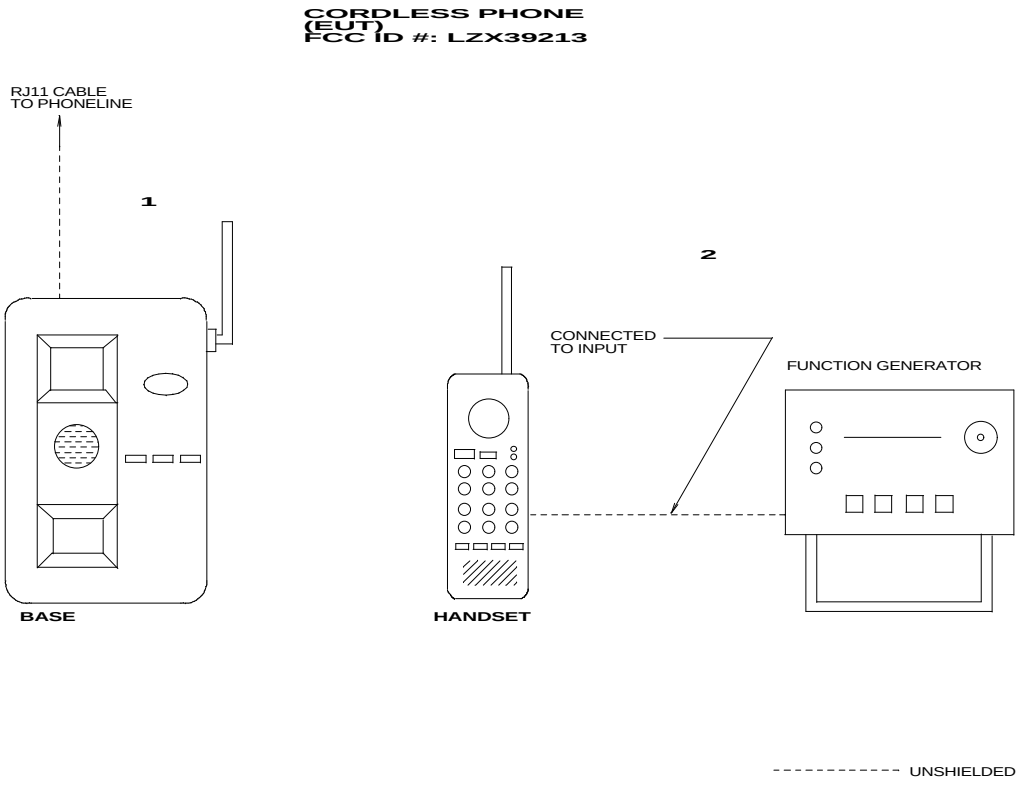
1. *Frequency pairing and amplitude levels (94dBµV/m).*

2. *Spurious and Harmonic Amplitude levels (54 dBµV/m) and FCC Part 15 limit.*

Test System Details

EUT	
Model Number:	*39213*
120VAC / 60Hz Adapter:	*350903OO3CO*
Description:	*900MHz Cordless Phone System*
Manufacturer:	*Unical Enterprises, Inc.*
Support Equipment	
None	

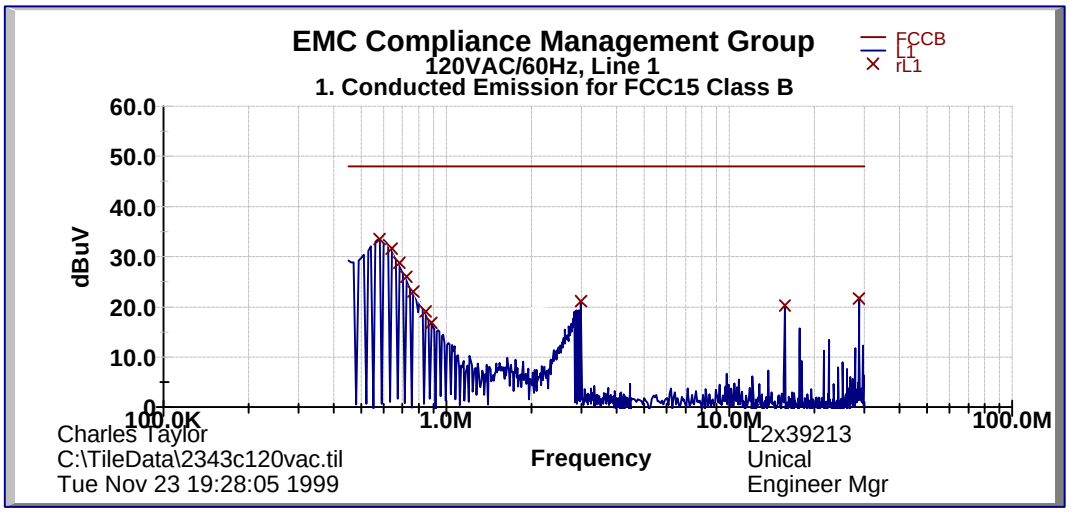
Configuration of Tested System

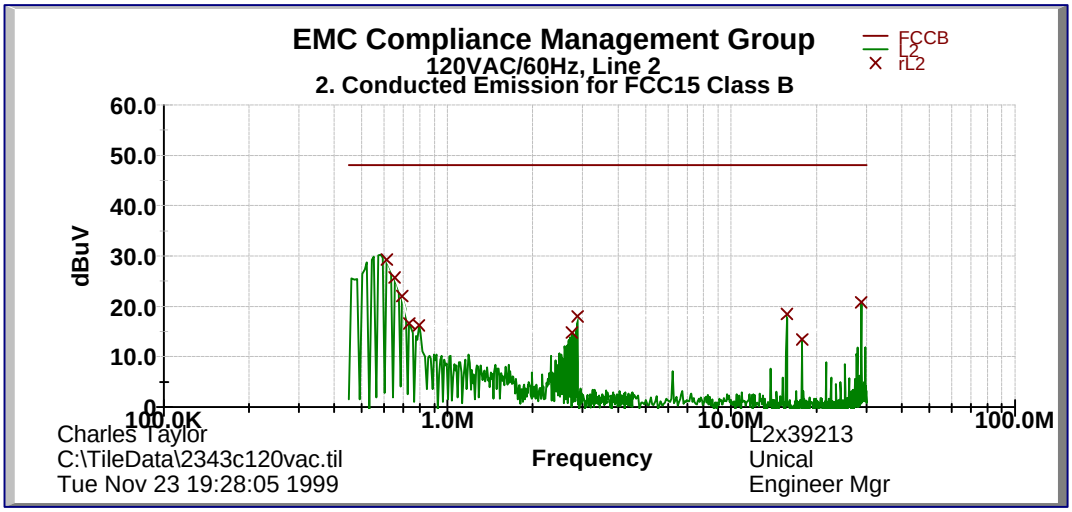


ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS (202-C-01)

CLIENT:	Unical Enterprises, Inc.	**TEST REFERENCE:**	FCC Part 15 Class B Section 15.107 and 15.207
EUT MODEL:	39213	**PRODUCT:**	900MHz Cordless Phone System
SERIAL NO.:	Engineering	**EUT DESIGNATION:**	Home and Office
TEMPERATURE:	21° C	**HUMIDITY:**	42%
ATM PRESSURE:	1017 Mbar	**GROUNDING:**	Through AC Power Cord
TESTED BY:	Charles Taylor	**DATE OF TEST:**	1999 November 23

SETUP METHOD:	ANSI C63.4 - 1992, CISPR 16-1:1993
TEST PROCEDURE:	The EUT is set up according to the guideline of ANSI C63.4 for conducted emissions. The measurement is using a LISN probe on each line and an EMI receiver peak scan is made at the frequency measurement range. The six highest significant peaks are then marked, and these signals are then quasi-peaked and averaged. The frequency range investigated is from 450KHz to 30MHz.
TESTED RANGE:	450kHz to 30MHz
TEST VOLTAGE:	120VAC / 60Hz
RESULTS:	The EUT meets the requirements of test reference for Conducted Emissions on line 2 by 25.33 dB of Quasi-Peak detector. The test results relate only to the equipment under test provided by client.
CHANGES OR MODIFICATIONS:	There were no modifications installed by EMC Compliance Management Group test personnel.
M. UNCERTAINTY:	Freq. $\pm$ $2x10^{-7}$ x Center Freq., Amp $\pm$ 2.6 dB





Line	Frequency [MHz]	Corrected QP Reading [dB(µV)]	Delta QP [dB]	Limit [dB(µV)/m]
L1	0.714	19.63	-28.37	48.0
L1	0.756	16.67	-31.33	48.0
L1	0.633	14.16	-33.84	48.0
L2	0.603	22.67	-25.33	48.0
L2	0.685	16.23	-31.77	48.0
L2	0.642	12.92	-35.08	48.0
Note: All reading are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.				

Test Equipment	Manufacturer/ Model	Serial No.	Last Cal.	Cal. Due Date
EMI Receiver	HP 85462A	3650A00363	05/21/99	05/21/00
RF Filter	HP 85460A	3704A00349	05/21/99	05/21/00
LISN	EMCO	109804	10/14/99	10/14/00
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).				

SIGNED: _____ **REVIEWED:** _____

ATTACHMENT 2 - OPERATING WITHIN THE BANDS 900 MHz-2747.825MHz

(204-R-01)

CLIENT:	Unical Enterprises, Inc.	**TEST REFERENCE:**	FCC Part 15 Class B Section 15.249
EUT MODEL:	39213	**PRODUCT:**	900MHz Cordless Phone System
SERIAL NO.:	Engineering	**EUT DESIGNATION:**	Home and Office
TEMPERATURE:	22° C	**HUMIDITY:**	59%
ATM PRESSURE:	1017 Mbar	**GROUNDING:**	Through AC Power Cord
TESTED BY:	Charles Taylor	**DATE OF TEST:**	1999 November 23

SETUP METHOD:	ANSI C63.4:1992, CISPR 16-1:1993
TEST PROCEDURE:	The EUT is set up according to the guidelines of ANSI C63.4:1992. An EMI receiver peak scan is made at the frequency measurement range in an Anechoic chamber. Signal discrimination is then performed and the significant peaks marked. These peaks are then quasi-peaked from 912.725MHz to 1GHz, and averaged from 1GHz and above The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor is given as follows: FS= RA + AF + CF - AG Where: FS = Field Strength RA = Receiver Amplitude AF = Antenna Factor CF = Cable Attenuation Factor AG = Amplifier Gain
TESTED RANGE:	912.725MHz to 2747.8GHz
TEST VOLTAGE:	120VAC / 60Hz
CHANGES OR MODIFICATIONS:	There were no modification installed by EMC Compliance Management Group test personnel.
M. UNCERTAINTY:	Freq. $\pm$ 2x10^{-7} x Center Freq., Amp $\pm$ 2.6 dB

FIELD STRENGTH OF FUNDAMENTAL SECTION 15.249(a) & (b)				
BASE				
Channel	**Frequency (MHz)**	**Corrected Reading [dBµV/m]**	**3 Meters Limits [dBµV/m]**	**Margin [dBµV/m]**
Set-up/Configuration: ANSI C63.4:1992				
LOW	915.327	36.6	94.0	-57.4
MEDIUM	916.275	37.7	94.0	-56.3
HIGH	917.275	40.4	94.0	-53.6
HANDSET				
Channel	**Frequency (MHz)**	**Corrected Reading [dBµV/m]**	**3 Meters Limits [dBµV/m]**	**Margin [dBµV/m]**
Set-up/Configuration: ANSI C63.4:1992				
LOW	912.723	42.3	94.0	-51.7
MEDIUM	913.673	44.2	94.0	-49.8
HIGH	914.675	26.5	94.0	-67.5
Comments: None				
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.				

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FIELD STRENGTH OF HARMONICS SECTION 15.249(a) & (b)					
LOW CHANNEL	**BASE**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	915.327	36.6	54.0	-17.4
	2nd	1830.650	33.1	54.0	-20.9
	3rd	2745.975	36.3	54.0	-17.7
	Note: No significant emissions found beyond 3rd harmonic.				
LOW CHANNEL	**HANDSET**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	912.723	42.5	54.0	-11.5
	2nd	1825.443	48.8	54.0	-5.2
	3rd	2738.180	33.2	54.0	-20.8
	Note: No significant emissions found beyond 3rd harmonic.				

FIELD STRENGTH OF HARMONICS SECTION 15.249(a) & (b)					
MEDIUM CHANNEL	**BASE**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	916.275	36.0	54.0	-18.0
	2nd	1832.550	41.1	54.0	-12.9
	3rd	2748.881	40.5	54.0	-13.5
	Note: No significant emissions found beyond 3rd harmonic.				
MEDIUM CHANNEL	**HANDSET**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	913.673	45.2	54.0	-8.8
	2nd	1827.348	49.5	54.0	-4.5
	3rd	2741.022	38.0	54.0	-16.0
	Note: No significant emissions found beyond 3rd harmonic.				

FIELD STRENGTH OF HARMONICS SECTION 15.249(a) & (b)					
HIGH CHANNEL	**BASE**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	917.275	40.4	54.0	-13.6
	2nd	1833.550	42.2	54.0	-11.8
	3rd	2747.825	49.1	54.0	-4.9
	Note: No significant emissions found beyond 3rd harmonic.				
HIGH CHANNEL	**HANDSET**				
		Frequency (MHz)	**Amplitude [dBµV/m]**	**3 Meter Limit [dBµV/m]**	**Delta [dBµV/m]**
	Fundamental	914.675	26.9	54.0	-27.1
	2nd	1825.332	38.0	54.0	-16.0
	3rd	2742.007	34.2	54.0	-19.8
	Note: No significant emissions found beyond 3rd harmonic.				

Test Equipment	Manufacturer/ Model	Serial No.	Last Cal.	Cal. Due Date
EMI Receiver	HP 85462A	3650A00363	05/21/99	05/21/00
RF Filter 30MHz-2GHz	HP 85460A	3704A00349	05/21/99	05/21/00
Amplifier 2GHz-22GHz	HP 8549A	N/A	03/19/99	03/19/00
Horn Antenna 1GHz -18GHz	EMCO 3115	N/A	N/A	N/A
Antenna 30MHz-2GHz	CHASE CBL6112A	2274	11/15/99	11/15/00
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).				

SIGNED: _____ **REVIEWED:** _____

ATTACHMENT 3 - RADIATED EMISSION TEST RESULTS (204-R-01)

CLIENT:	Unical Enterprises, Inc.	**TEST REFERENCE:**	FCC Part 15 Class B Section 15.109, Section 15.209
EUT MODEL:	39213	**PRODUCT:**	900MHz Cordless Phone System
SERIAL NO.:	Engineering	**EUT DESIGNATION:**	Home and Office
TEMPERATURE:	24° C	**HUMIDITY:**	39%
ATM PRESSURE:	1017 Mbar	**GROUNDING:**	Through AC Power Cord
TESTED BY:	Charles Taylor	**DATE OF TEST:**	1999 November 23

SETUP METHOD:	ANSI C63.4:1992, CISPR 16-1:1993
TEST PROCEDURE:	The EUT is set up according to the guidelines of ANSI C63.4:1992 for radiated emissions. An EMI receiver peak scan is made at the frequency measurement range (pre-scan) in an Anechoic chamber. Signal discrimination is then performed and the significant peaks marked. These peaks are then quasi-peaked from 30 MHz to 1GHz, and average from 1GHz to 2GHz at the Anechoic chamber. The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor is given as follows: FS= RA + AF + CF - AG Where: FS = Field Strength RA = Receiver Amplitude AF = Antenna Factor CF = Cable Attenuation Factor AG = Amplifier Gain
TESTED RANGE:	30MHz to 1,000MHz on Quasi-peak and 1,000MHz to 2,000MHz on Average
TEST VOLTAGE:	120VAC / 60Hz
RESULTS:	The EUT meets the requirements of test reference for Radiated Emissions on horizontal polarization by 5.0 dB at 915.607MHz. The test results relate only to the equipment under test provided by client.
CHANGES OR MODIFICATIONS:	There were no modifications installed by EMC Compliance Management Group test personnel.
M. UNCERTAINTY:	Freq. $\pm$ 2x10^{-7} x Center Freq., Amp $\pm$ 2.6 dB

30 MHz – 1GHz					
Frequency [MHz]	**Antenna Polarization [V/H]**	**Corrected Reading [dBµV/m]**	**Delta, QP [dB]**	**3 Meters Limits [dBµV/m]**	**Correction Factors [dB/m]**
Set-up/Configuration: ANSI C63.4:1992					
915.607	H	41.0	-5.0	46.0	24.4
675.238	H	38.8	-7.2	46.0	21.8
471.247	H	33.4	-12.6	46.0	19.1
916.244	V	32.5	-13.5	46.0	24.4
89.474	V	21.5	-22.0	43.5	10.0
91.285	V	21.5	-22.0	43.5	10.3
Comments: None					
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.					

1 GHz – 2 GHz					
Frequency [MHz]	**Antenna Polarization [V/H]**	**Corrected Reading [dBµV/m]**	**Delta, QP [dB]**	**3 Meters Limits [dBµV/m]**	**Correction Factors [dB/m]**
Set-up/Configuration: ANSI C63.4:1992					
No significant emissions above 1 GHz.					
Comments: None					
Note: All readings are average unless stated otherwise, using a bandwidth of 1 MHz, with a 30 ms sweep time. A video filter was not used.					

Test Equipment	Manufacturer/ Model	Serial No.	Last Cal.	Cal. Due Date
EMI Receiver	HP 85462A	3650A00363	05/21/99	05/21/00
RF Filter	HP 85460A	3704A00349	05/21/99	05/21/00
Antenna	CHASE CBL6112A	2274	11/15/99	11/15/00
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).				

SIGNED: _____ **REVIEWED:** _____