

FCC PART 15 Subpart C
EUT Internal Photo
FOR
UNICAL ENTERPRISES, INC.
16960 Gale Avenue
City of Industry, CA 91745

FCC ID: LZX36248-X

June 29, 2000

This Report Concerns: <input checked="" type="checkbox"/> Original Report	Equipment Type: 2.4 GHz Cordless Phone with Digital Answering Machine and Caller ID– Household Appliances
Test Engineer: John Chan / Edward Yan	
Test Date: June 27, 2000	
Reviewed By: John Y. Chan – Engineering Manager	
Prepared By: Bay Area Compliance Laboratory Corporation 230 Commercial Street, Suite 2 Sunnyvale, CA 94086 (408) 732-9162	

Note: This report may not be duplicated without prior written consent of Bay Area Compliance Laboratory Corporation. This report **must not** be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

TABLE OF CONTENTS

1 - GENERAL INFORMATION.....	3
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	3
1.2 PURPOSE	3
1.3 RELATED SUBMITTAL(S)/GRANT(S)	3
1.4 TEST METHODOLOGY.....	3
1.5 TEST FACILITY	3
1.6 TEST EQUIPMENT LIST	4
1.7 EQUIPMENT UNDER TEST (EUT).....	4
2 – EUT PHOTOGRAPHS	5
2.1 EUT HANDSET – ENCLOSURE OFF WITH SHIELDING VIEW	5
2.2 EUT HANDSET – ENCLOSURE OFF WITHOUT SHIELDING VIEW	6
2.3 EUT HANDSET MAIN BOARD COMPONENT VIEW.....	7
2.4 EUT HANDSET MAINBOARD CIRCUIT VIEW	8
2.5 EUT RF BOARD COMPONENT VIEW	9
2.6 EUT RF BOARD CIRCUIT VIEW	10
2.7 EUT BASE UNIT ENCLOSURE OFF VIEW.....	11
2.8 EUT BASE UNIT MAINBOARD CIRCUIT VIEW.....	12
2.9 EUT BASE UNIT VOICE MAIL BOARD COMPONENT VIEW.....	13
2.10 EUT BASE UNIT VOICE MAIL BOARD CIRCUIT VIEW.....	14
APPENDIX A – AGENT AUTHORIZATION LETTER.....	15

1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

The UNICAL ENTERPRISES, INC.'s 36248-X or the "EUT" as referred to in this report is a 2.4 GHz Cordless Phone with Digital Answering Machine and Caller ID. The EUT was composed of two parts, one is a Handset which measured 7.0" L x 1.5" W x 2.5"H, and the other is a Base which measures 7.5"L x 6.0"W x 2.0"H.

1.2 Purpose

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the 2.4 GHz Cordless Phone with Digital Answering Machine and Caller ID, Model is 36248-X. The EMI measurements were performed according to the measurement procedure described in ANSI C63.6: 1992. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the specification limits defined by FCC Title 47, Part 15, Subpart C, section 15.205, 15.207, and 15.249.

1.3 Related Submittal(s)/Grant(s)

No Related Submittals

1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4 –1992, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratory, Corp. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

1.5 Test Facility

The Open Area Test site used by Bay Area Compliance Laboratory Corporation to collect radiated and conducted emission measurement data is located in the back parking lot of the building at 230 Commercial Street, Suite 2, Sunnyvale, California, USA.

Test sites at Bay Area Compliance Laboratory Corporation has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports has been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997 and Article 8 of the VCCI regulations on December 25, 1997. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-1992.

The Federal Communications Commission and Voluntary Control Council for Interference has the reports on file and is listed under FCC file 31040/SIT 1300F2 and VCCI Registration No.: C-674 and R-657. The test sites has been approved by the FCC and VCCI for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratory Corporation is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (NVLAP). The scope of the accreditation covers the FCC Method - 47 CFR Part 15 - Digital Devices,

IEC/CISPR 22: 1993, and AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment test methods under NVLAP Lab Code 200167-0.

1.6 Test Equipment List

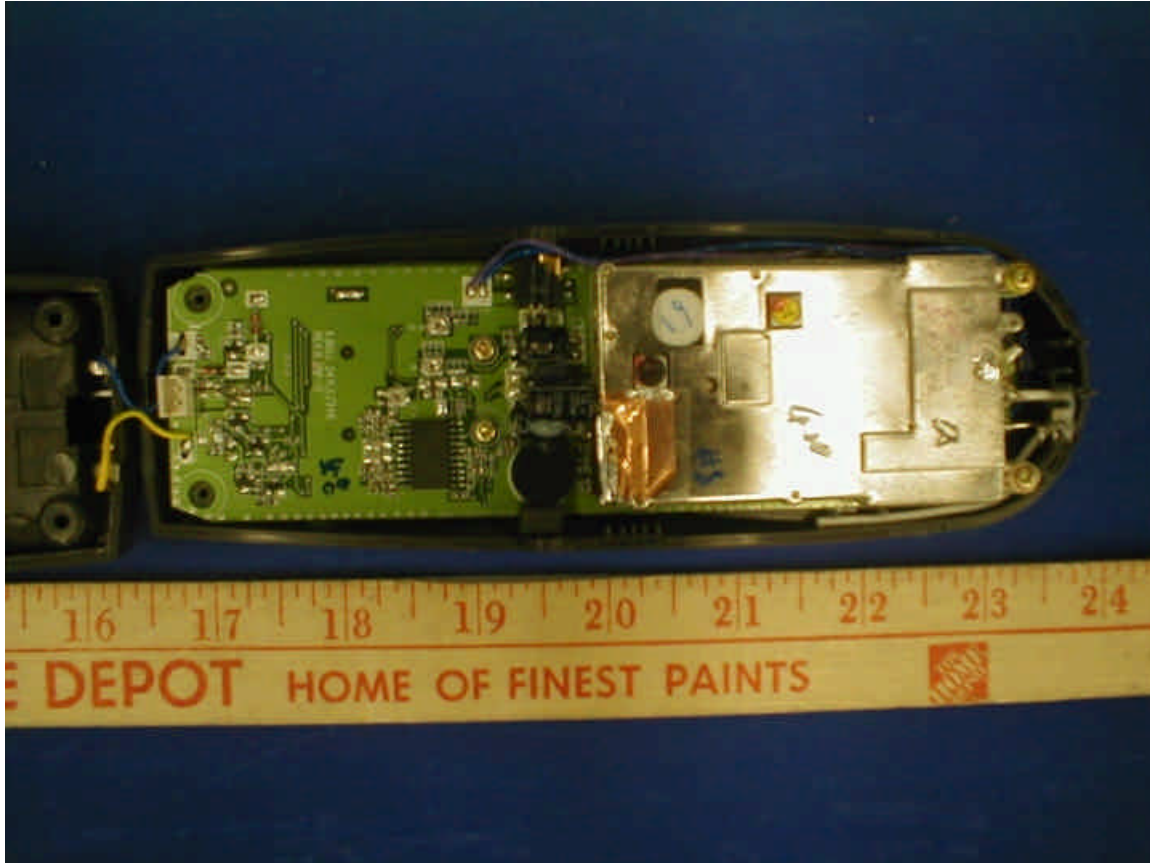
Manufacturer	Description	Model	Serial Number	Cal. Due Data
HP	Spectrum Analyzer	8566B	2610A02165	12/6/2000
HP	Spectrum Analyzer	8593B	2919A00242	12/20/2000
HP	Amplifier	8349B	2644A02662	12/20/2000
HP	Quasi-Peak Adapter	85650A	917059	12/6/2000
HP	Amplifier	8447E	1937A01046	12/6/2000
A.H. System	Horn Antenna	SAS0200/571	261	12/27/2000
Com-Power	Log Periodic Antenna	AL-100	16005	11/2/2000
Com-Power	Biconical Antenna	AB-100	14012	11/2/2000
Solar Electronics	LISN	8012-50-R-24-BNC	968447	12/28/2000
Com-Power	LISN	LI-200	12208	12/20/2000
Com-Power	LISN	LI-200	12005	12/20/2000
BACL	Data Entry Software	DES1	0001	12/20/2000

1.7 Equipment Under Test (EUT)

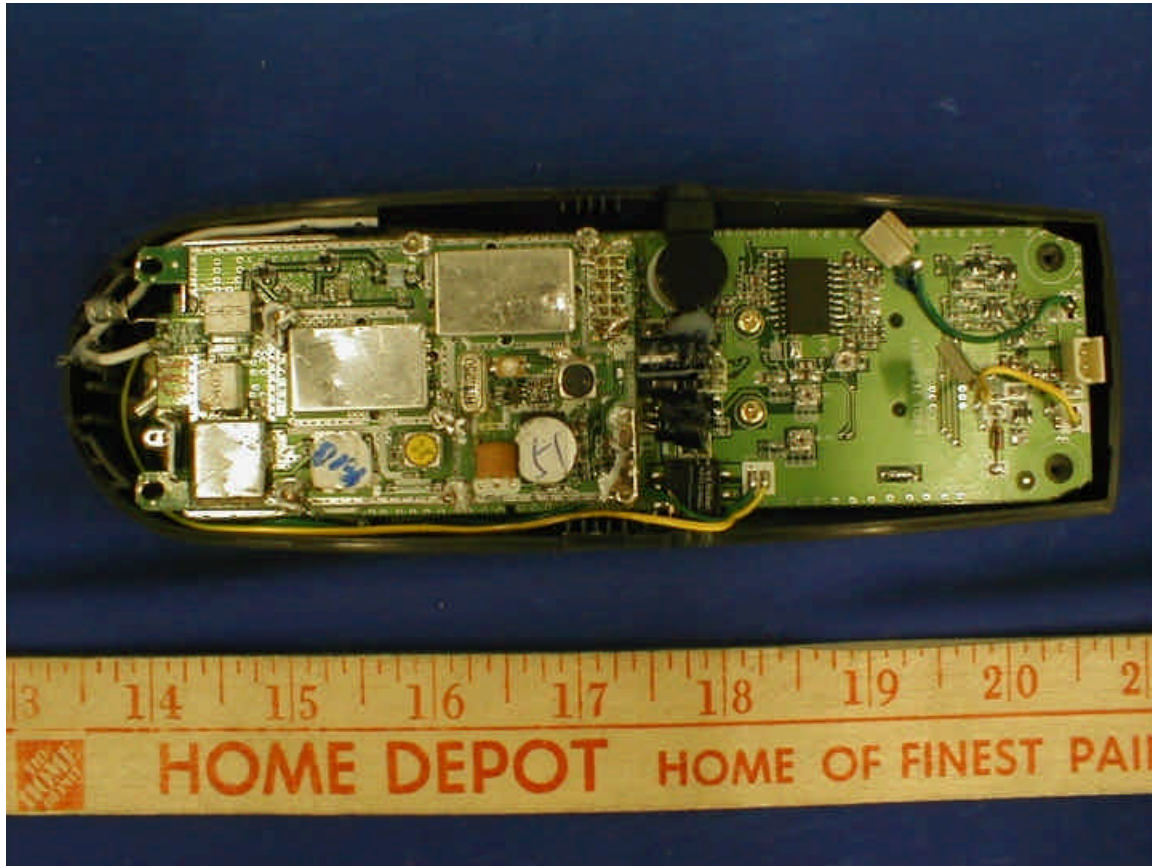
Manufacturer	Description	Model	Serial Number	FCC ID
Unical Enterprises, Inc.	2.4 GHz Cordless Phone with Digital Answering Machine and Caller ID	36248-X	None	LZX36248-X

2 – EUT PHOTOGRAPHS

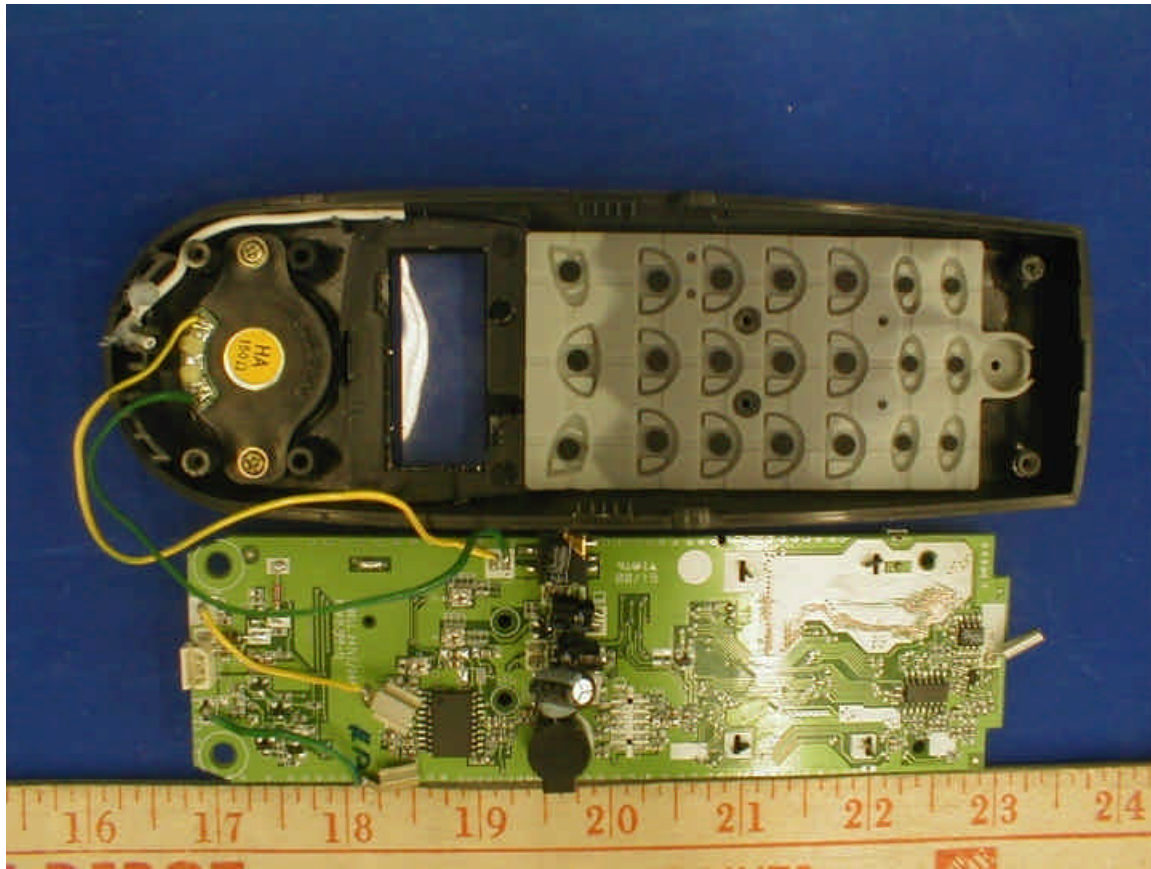
2.1 EUT Handset – Enclosure off With Shielding View



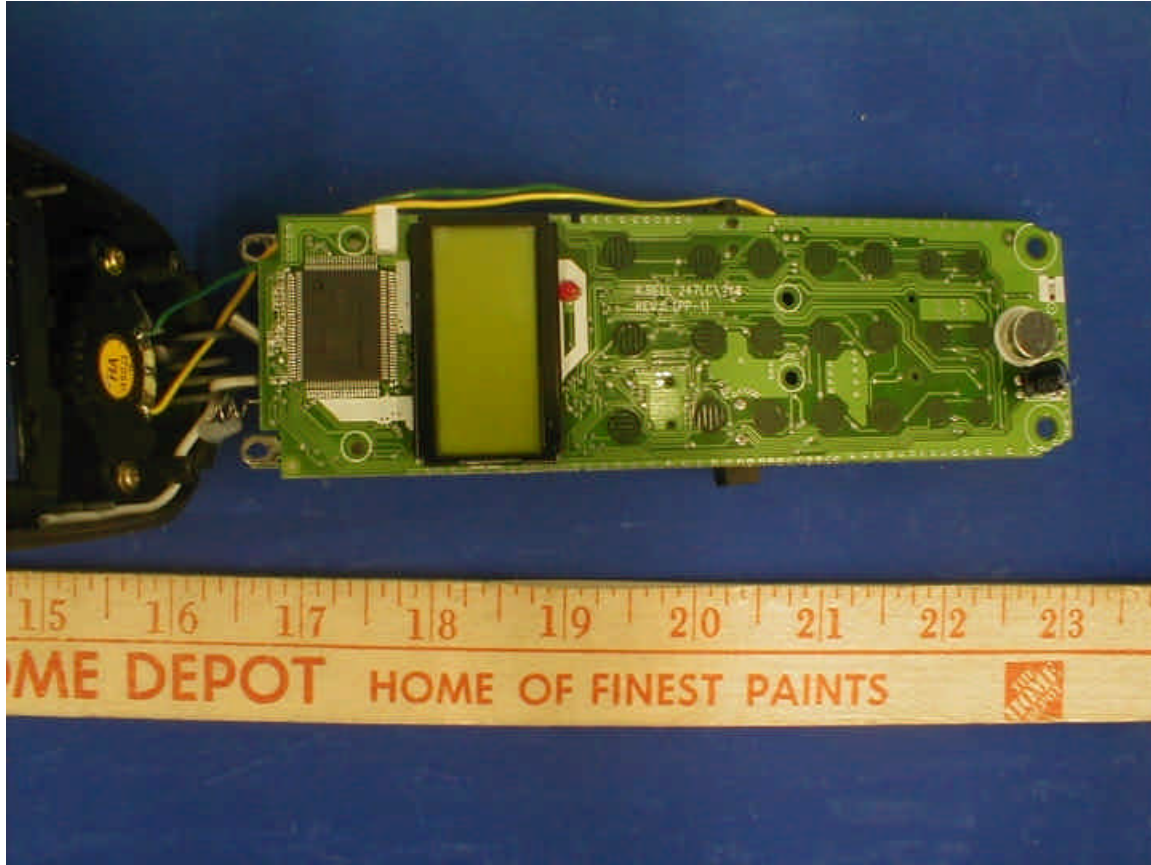
2.2 EUT Handset – Enclosure off Without Shielding View



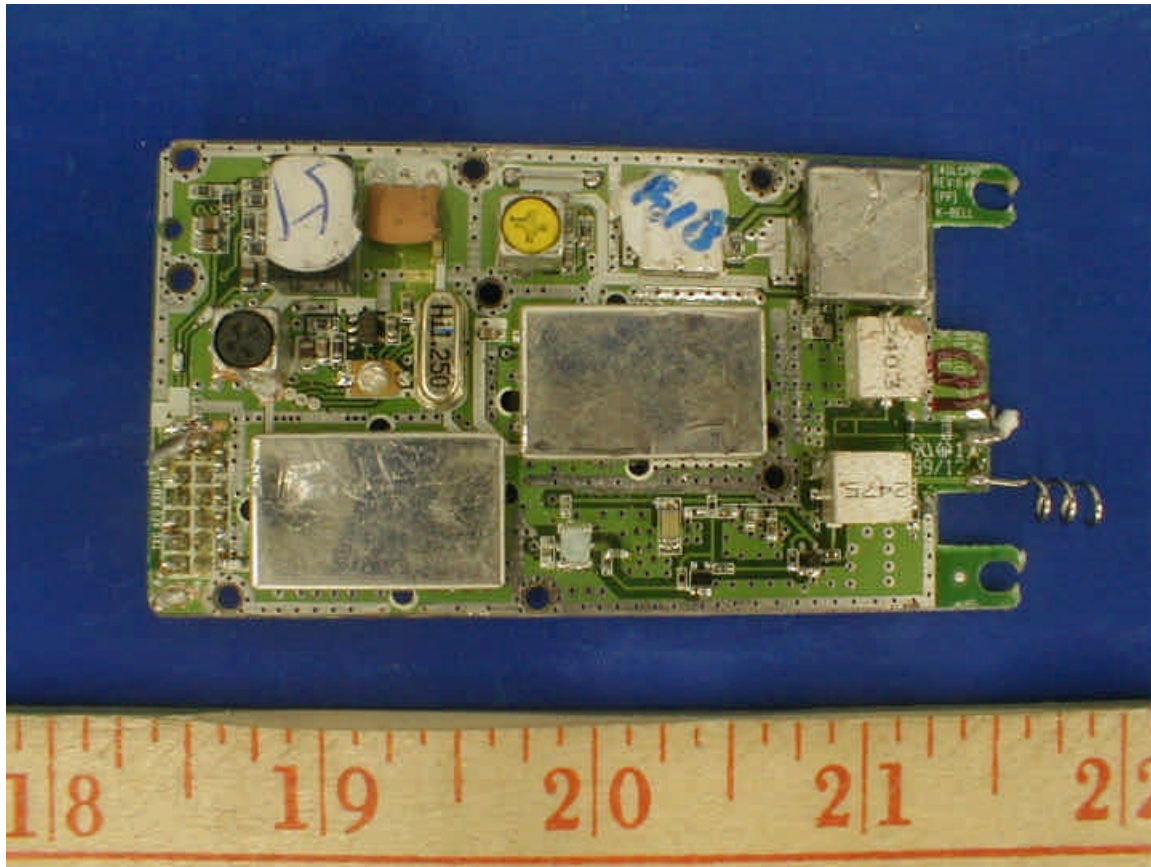
2.3 EUT Handset Main Board Component View



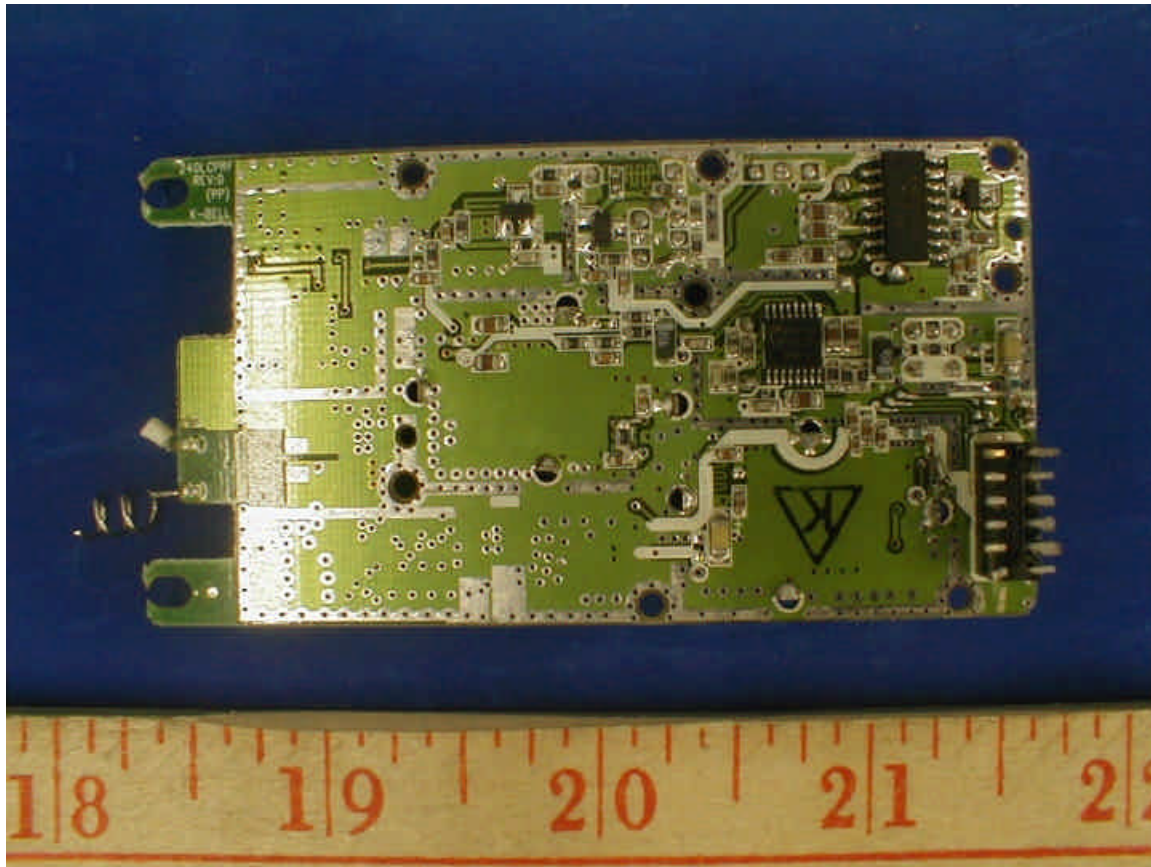
2.4 EUT Handset Mainboard Circuit View



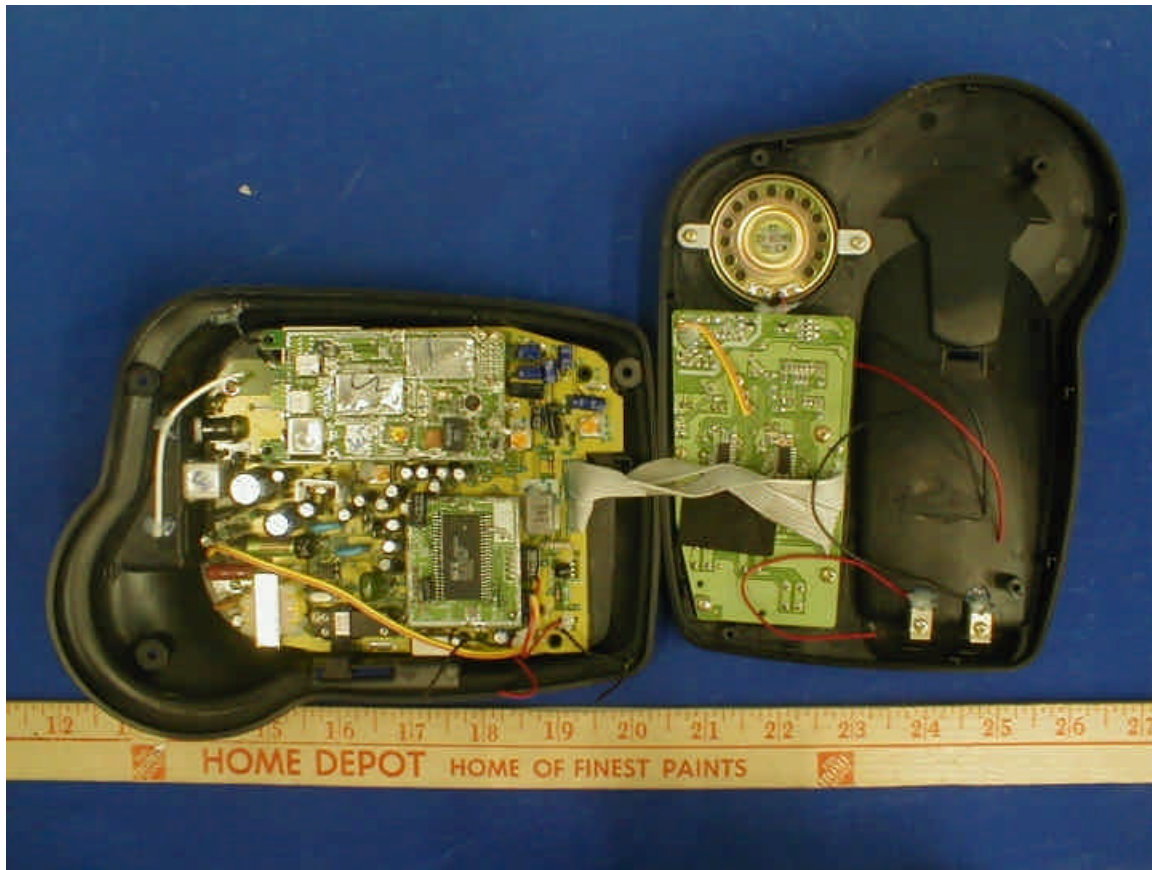
2.5 EUT RF Board Component View



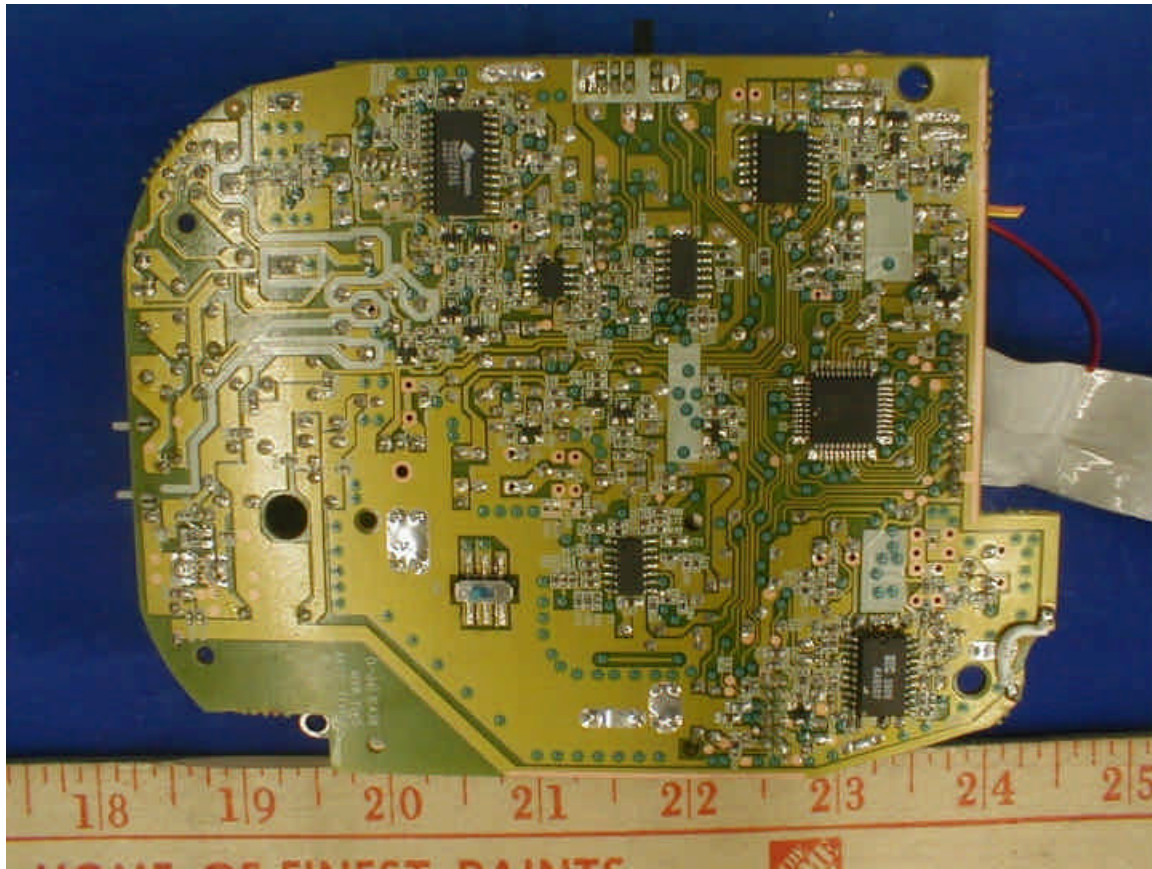
2.6 EUT RF Board Circuit View



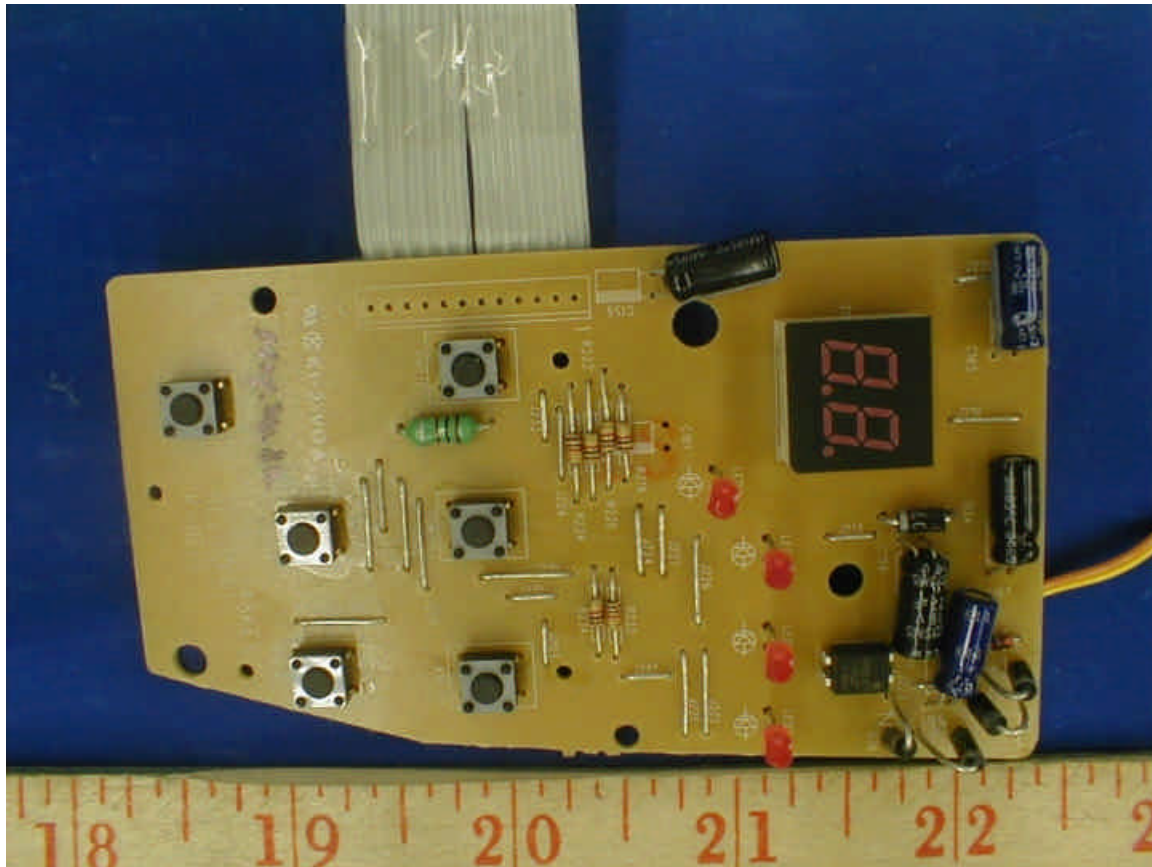
2.7 EUT Base Unit Enclosure Off View



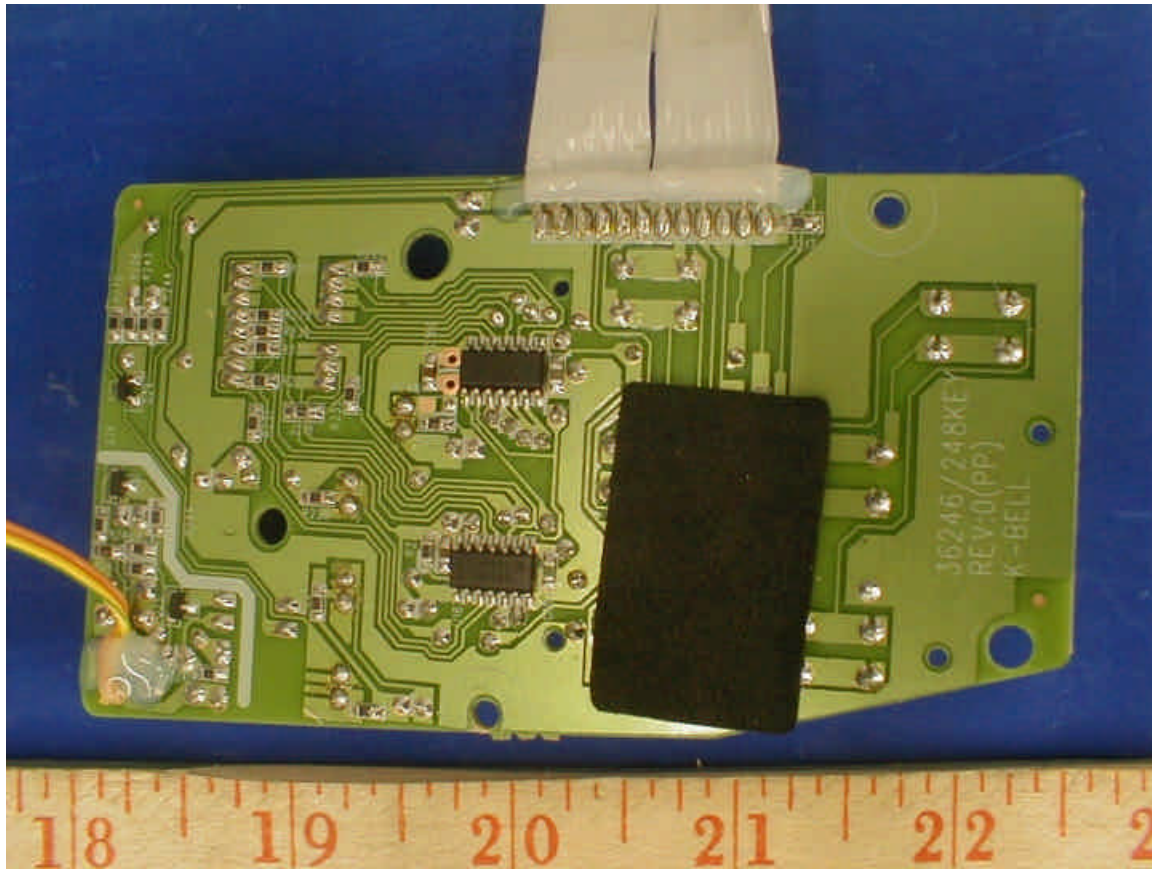
2.8 EUT Base Unit Mainboard Circuit View



2.9 EUT Base Unit Voice Mail Board Component View



2.10 EUT Base Unit Voice Mail Board Circuit View



Appendix A – AGENT AUTHORIZATION LETTER

June 16, 2000

Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland, 21046

Sir/Madam,

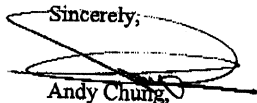
Re: FCC grant for 36248-(X) Cordless Telephone

This letter is an authorization to accept Bay Area Compliance Lab. Corporation as an agent for Unical Enterprises, Inc. 16960 Gale Ave. 91745, to sign applications before the Commission on our behalf, to make representations to you on our behalf, and to receive and exchange data between our company and the commission in connection with certification of the following Northwestern Bell Phones product:

2.4 GHz Cordless Telephone with Digital Answering Machine and Caller ID 36248-(X)

Under FCC docket number 20780 and general docket number 80-284 pursuant to part 15, FCC rules and regulations.

Sincerely,



Andy Chung,
Assistant to the President