

**ANT TELECOM**

Cheong Woon B/D 6F, 990-198, Keomsa-Dong, Dong-Gu, Daegu, 701-040 Korea.
TEL) 02-6267-2500 FAX) 02-6267-2600
E-MAIL) ant_sayfree@yahoo.co.kr

APPLICATION FOR CERTIFICATION

on Behalf of

ANT Telecom Co., Ltd.
Wireless Hands Free Kit
Model No. : **ANT-HFM**

FCC ID. : O6KANTWHFGTC90001

Application No. : ATM-F20001

Date: August 21, 2000



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APPLICATION FOR FCC CERTIFICATION

Applicant : *ANT Telecom Co., Ltd.*
 Equipment : *Wireless Hands Free Kit*
 Model No. : *ANT-HFM*
 FCC ID. : *O6KANTWHFGTC90001*
 File Number : *ATM-G00642*
 TTEMC Report No. : *TTEMC-F20088*

Document List :

LETTER OF AUTHORIZATION.....	3
EXHIBIT 1.....	4
LABEL DRAWING	5
EXHIBIT 2.....	6
PHOTOGRAPHS.....	7
EXHIBIT 3.....	10
DESCRIPTION OF EUT	11
DESCRIPTION OF SIMULATORS	12
BLOCK DIAGRAM.....	13
FUNCTIONAL BLOCK DIAGRAM	14
SCHEMATICS	15
EXHIBIT 4.....	16
TEST REPORT.....	16
EXHIBIT 5.....	17
USER'S MANUAL	17

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Letter of Authorization

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road,
Columbia, MD 21046

Date: August 21, 2000

Dear Sir,

This is your letter of authorization to accept our appointment of Richard Mullen, Manager / Safety & Compliance Consulting as agent for the following company :

Company Name : *ANT Telecom Co., Ltd.*
Address : *Cheng Woon B/D 6F, 990-198 Keomsa-Dong, Dong-Gu, Daegu, 701-040 Korea.*

From now on, Richard Mullen will sign applications before the commission on our behalf, and receive exchange data between our company and the commission in connection with certification of the following [ANT Telecom Co., Ltd.](#) product :

Equipment : *Wireless Hands Free Kit*
Model Number : *ANT-HFM*
FCC ID. : *O6KANTWHFGTC90001*

Under FCC Docket Number 20780 and General Docket Number 89-103 pursuant to Part 15, Subparagraph C of the Rules and Regulations of the FCC.

This authorization will expire one year from the date of this letter.

Sincerely Yours,

Eun-Kuk Lee
President
[ANT Telecom Co., Ltd.](#)

EXHIBIT 1

Label Drawing

Label Drawing

- Label Placement Location (Back Side of EUT)



FCC ID.: O6KANTWHFGTC90001
Model : ANT-HFM

FCC LABEL

[Mark]: Due to size of the equipment, the label contains only the FCC ID. and the compliance statement is provided in the User's Manual.

EXHIBIT 2

Photographs of EUT

Photographs

From Page 7 to Page 9

Photographs

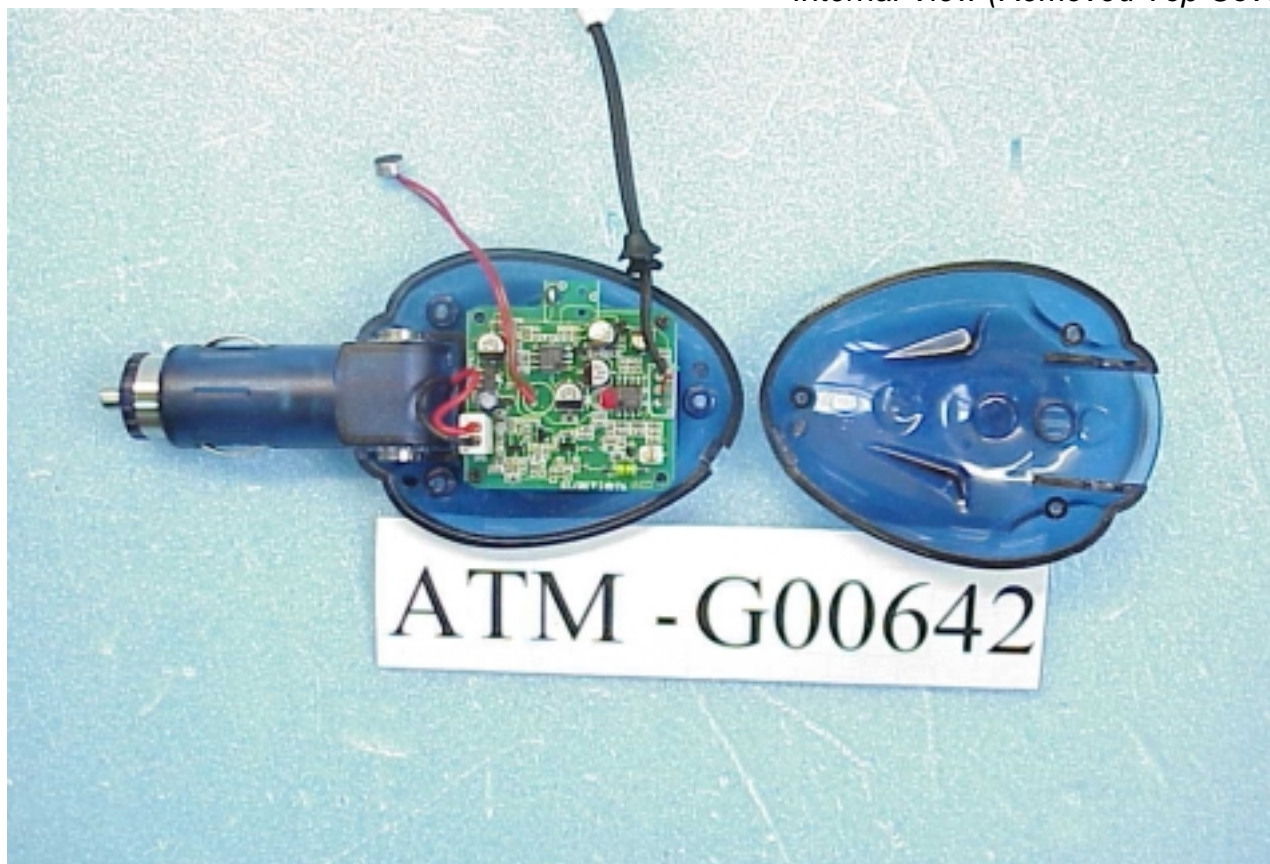
*Photos 1
General Appearance (Front View)*



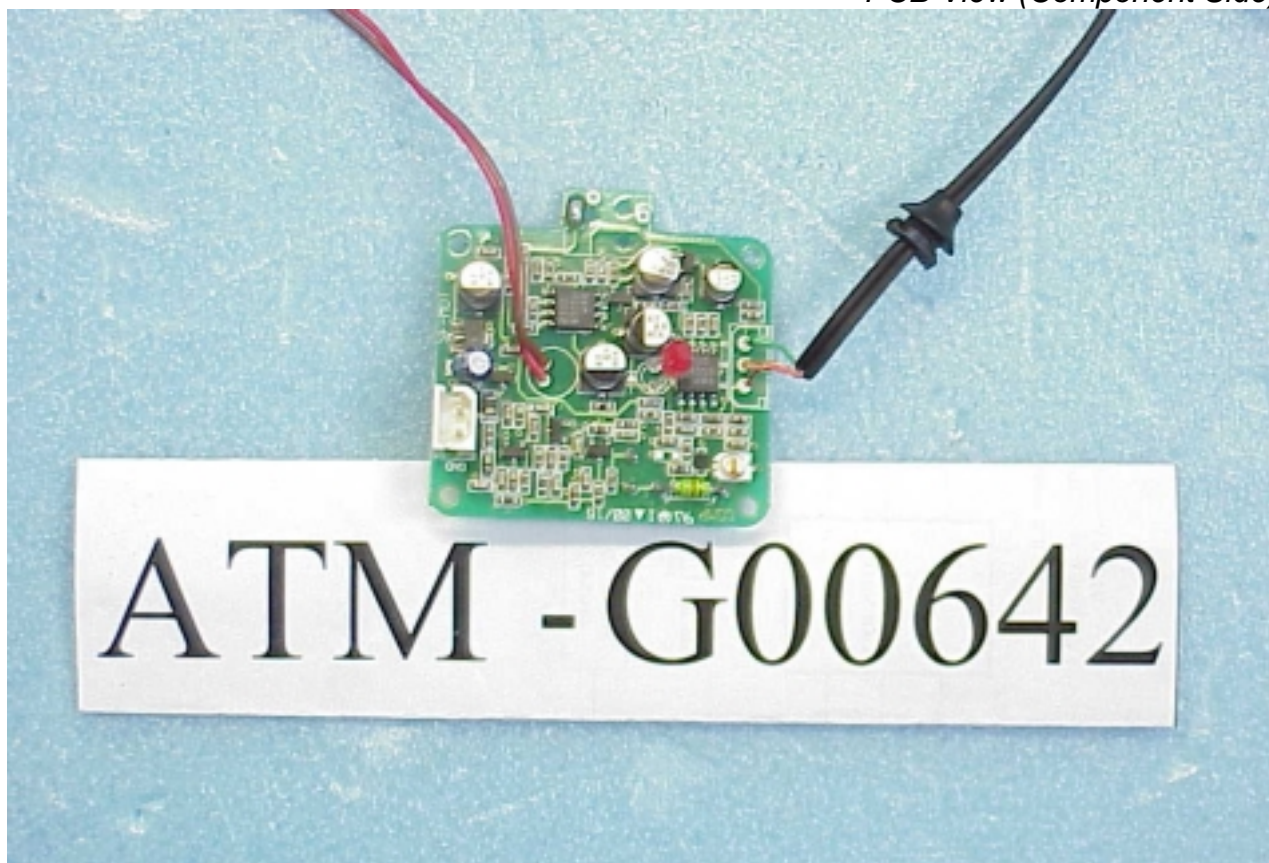
*Photos 2
General Appearance (Back View)*



Photos 3
Internal View (Removed Top Cover)



Photos 4
PCB View (Component Side)



Photos 5
PCB View (Solder Side)

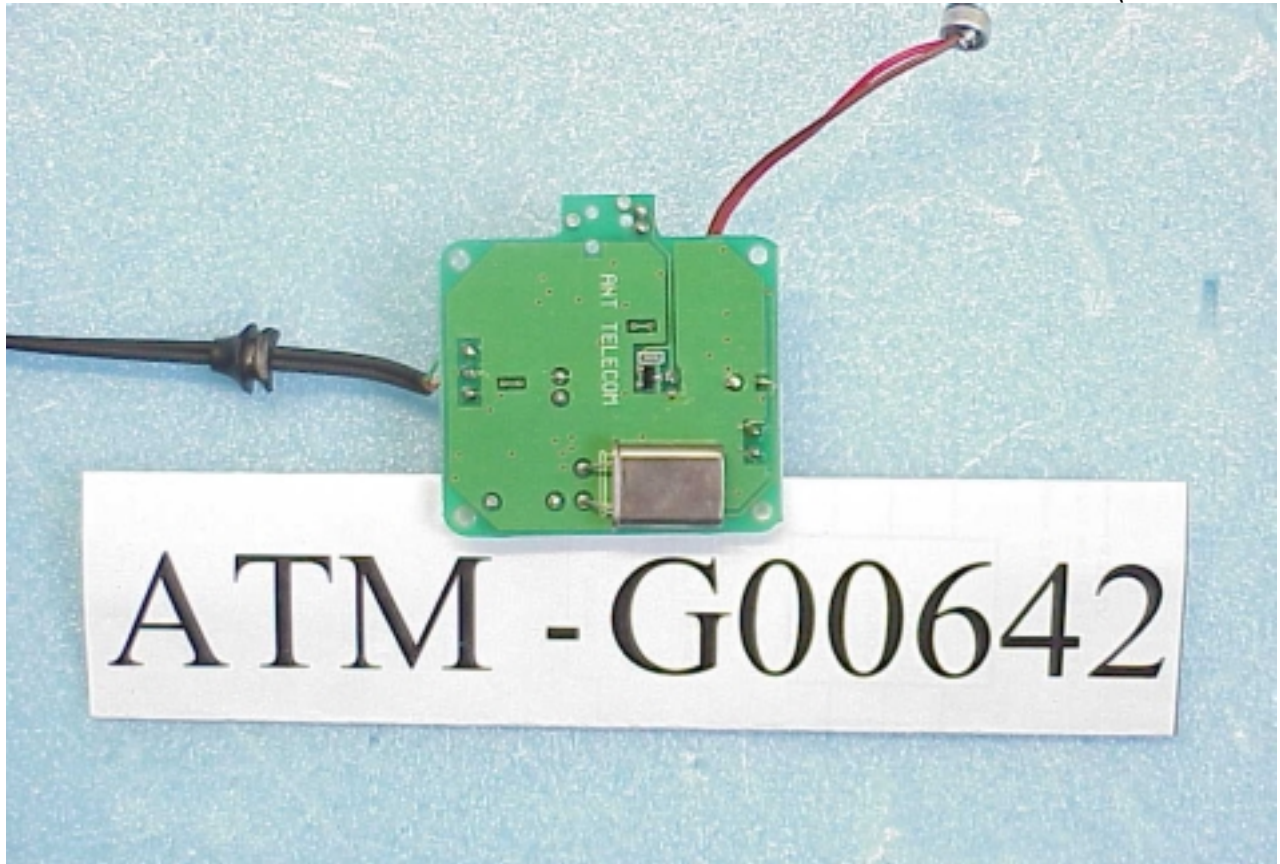


EXHIBIT 3

EUT and Simulators Configuration

Block Diagram

Functional Block Diagram

Schematics

EUT AND SIMULATORS CONFIGURATION

Description of EUT

Product Name	:	Wireless Hands Free Kit
Model Number	:	ANT-HFM
FCC ID.	:	O6KANTWHFGTC90001
Applicant	:	ANT TELECOM CO., LTD. Cheong Woon B/D 6F, 990-198 Keomsa-Dong,Dong-Gu, Daegu, 701-040 Korea.
Manufacturer	:	ANT TELECOM CO., LTD. Cheong Woon B/D 6F, 990-198 Keomsa-Dong,Dong-Gu, Daegu, 701-040 Korea.
Fundamental Frequency	:	88.7MHz (FM)
Signal Cable	:	Non-Shielded, Undetachable, 0.4m
TTEMC Report No.	:	TTEMC-F20088
Date of Test	:	Aug. 01, 2000

Remark:

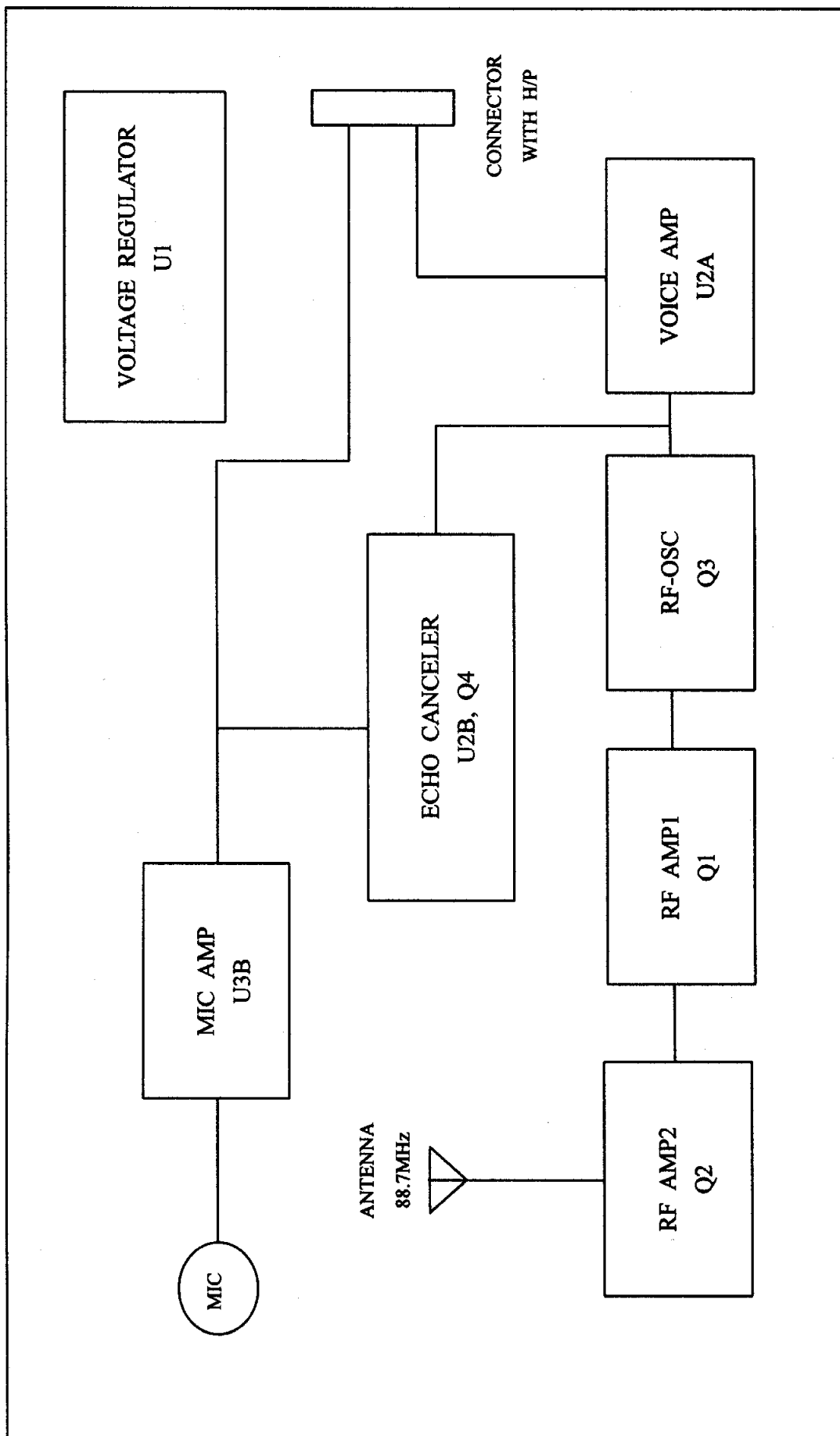
The EUT is a wireless hands free kit of mobile phone. It is configure FM frequency on car radio.

Description of Simulators

§ **CAR BATTERY**

Model Number	:	N50L 12V 50AH
Serial Number	:	N/A
Manufacturer	:	Global & Yuasa Battery Co., Ltd.
DC Wire (+, -)	:	Non-Shielded, Detachable, 0.4m

Block Diagram



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Functional Block Diagram

1. MIC AMP

Amplify a voice signal and transmit it to the RF amplifier

2. RF AMP1 / RF AMP2 / RF-OSC

Transmit the signals for Mic Amp and Voice Amp to a radio cassette by the medium of FM 88.7 MHz.

3. VOICE AMP

Amplify the voice signal of caller and transmit it to the RF amplifier

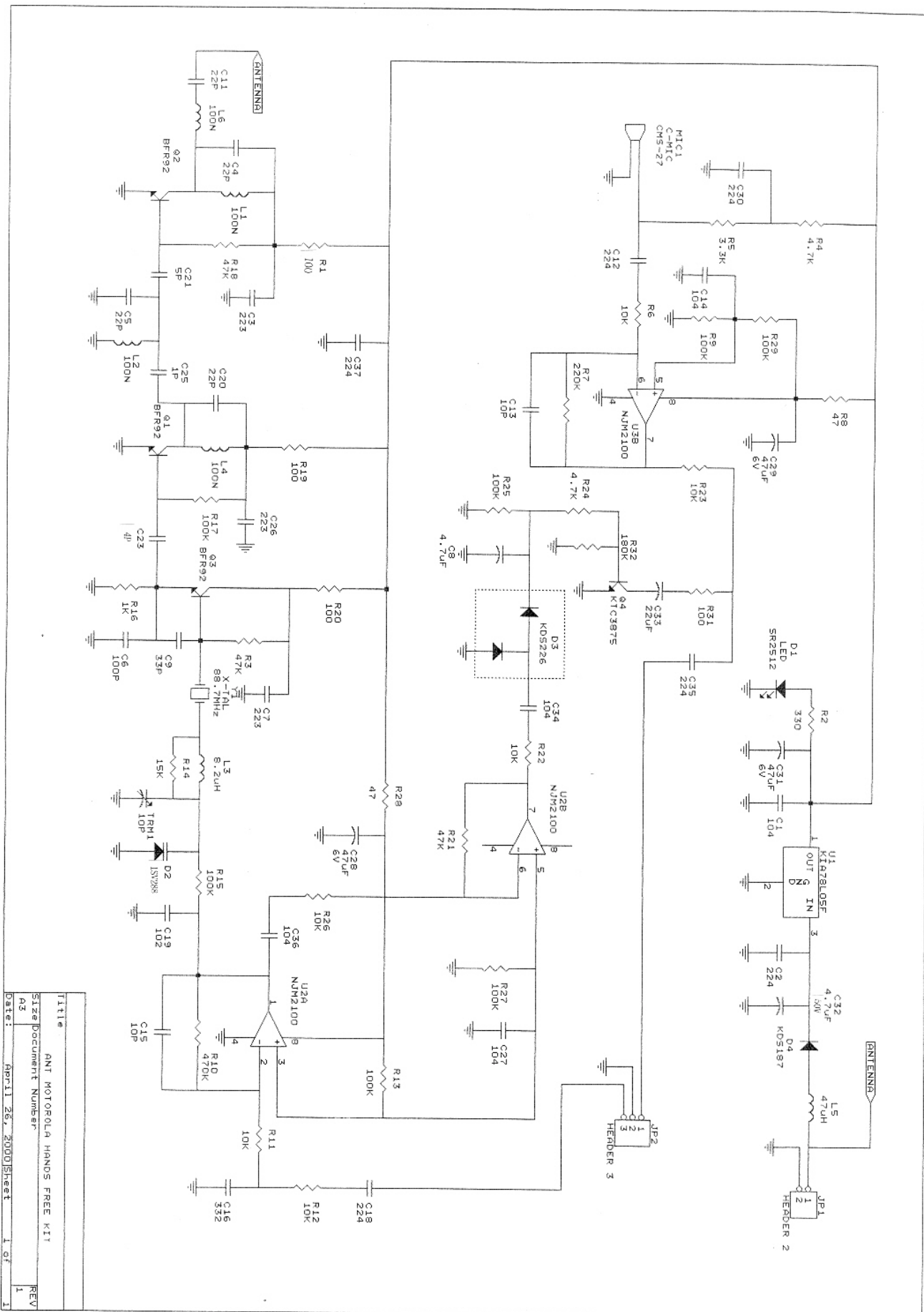
4. ECHO CANCELER

A echo phenomenon is canceling while talking over the telephone.

5. VOLTAGE REGULATOR

Convert 12~24 voltage into 5 voltage.

Schematics



1	1	1	1
REV			
Size	Document Number		
Title: ANI MOTOROLA HANDS FREE KIT			
Date: April 26, 2000 Sheet 1 of 1			

EXHIBIT 4

Test Report

Test Report

TTEMC-F20088

EXHIBIT 5

User's Manual

User's Manual



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INTRODUCTION

■ MODEL : ANT-HFM

■ PRODUCT

AnyFree is new-concept hands free communication equipment with innovative communication performance and maximum driver's safety.

Contrary to existing ones, AnyFree offers true Hands free and Wireless communication on driver's move. Fully utilizing car radio facility, AnyFree tunes FM frequency between itself and car radio, consequently catches counter speaker's voice through FM car radio, and send driver's voice through microphone to mobile phone.

AnyFree offers "Easy to" Use to any drivers by simply connection to mobile phone and car radio by cigar jack and plug in jack. This simple jack connection make AnyFree to be used with all available mobile phones through plug in jack.

■ FEATURES

1. Wireless Hands Free Function
2. FM based Clear and Noiseless Communication
3. Special 90 "SWIVEL" Mechanism
4. Easy use of simple plug in jack connection
5. True avoidance of electronic magnetic hazard
6. High-quality soft coiled cord
7. Built in Microphone



■ DESIGN



■ HOW TO USE

STEP1



1. Insert AnyFree to Ciga-jack
2. Connect Any Free and Mobile phone with earphone jack & cord

STEP2



Configure FM frequency on Car radio
(Frequency : 88.7MHz)

STEP3



Normal operation of mobile phone and press SEND

■ SPECIFICATION

1. FREQUENCY : 88.7Mhz \pm 0.1
2. SIZE : 120 \times 35 \times 55 (H \times T \times W)
3. WEIGHT : 55g
4. INPUT VOLTAGE : 12V~24V DC (Cigar Jack)
5. JACK : 2.5mm
6. MIKE SENSITIVITY : 42dB \pm 4dB

■ APPLICATION MODE

For any mobile phone with plug in jack regardless of its operation type
– GSM, TDMA, CDMA, PHS, PCS, Analog etc.

Federal Communication Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device. Pursuant to Part 15 of the FCC Rules These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures;

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution : To assure continued compliance, (example – use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Label Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation 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.