230 Commercial St., Ste. 2
Sunnyvale, CA 94086
Phone: 408.732.9162
Fax: 408.732.9164

Bay Area Compliance Lab Corp.

Fax

To:	Ms. Katie Hawkins	**From:**	John Chan
Fax:		**Date:**	February 12, 2000
Phone:		**Pages:**	13
Re:	Reference Number: 11945	**CC:**	

☑ **Urgent** ☑ **For Review** ☑ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

Dear Ms. Hawkins;

Thank you for the e-mail. I like to response your questions as following:

1) Please review the page 2-5 for a complete set of schematics.

2) Please review the page 6-7 for the occupied bandwidth plots of the upper and lower band edges.

3) Please review the page 8-11 for the complete set of test data (peak reading).

4) Please review the page 12 for the information to the user per Section 15.21.

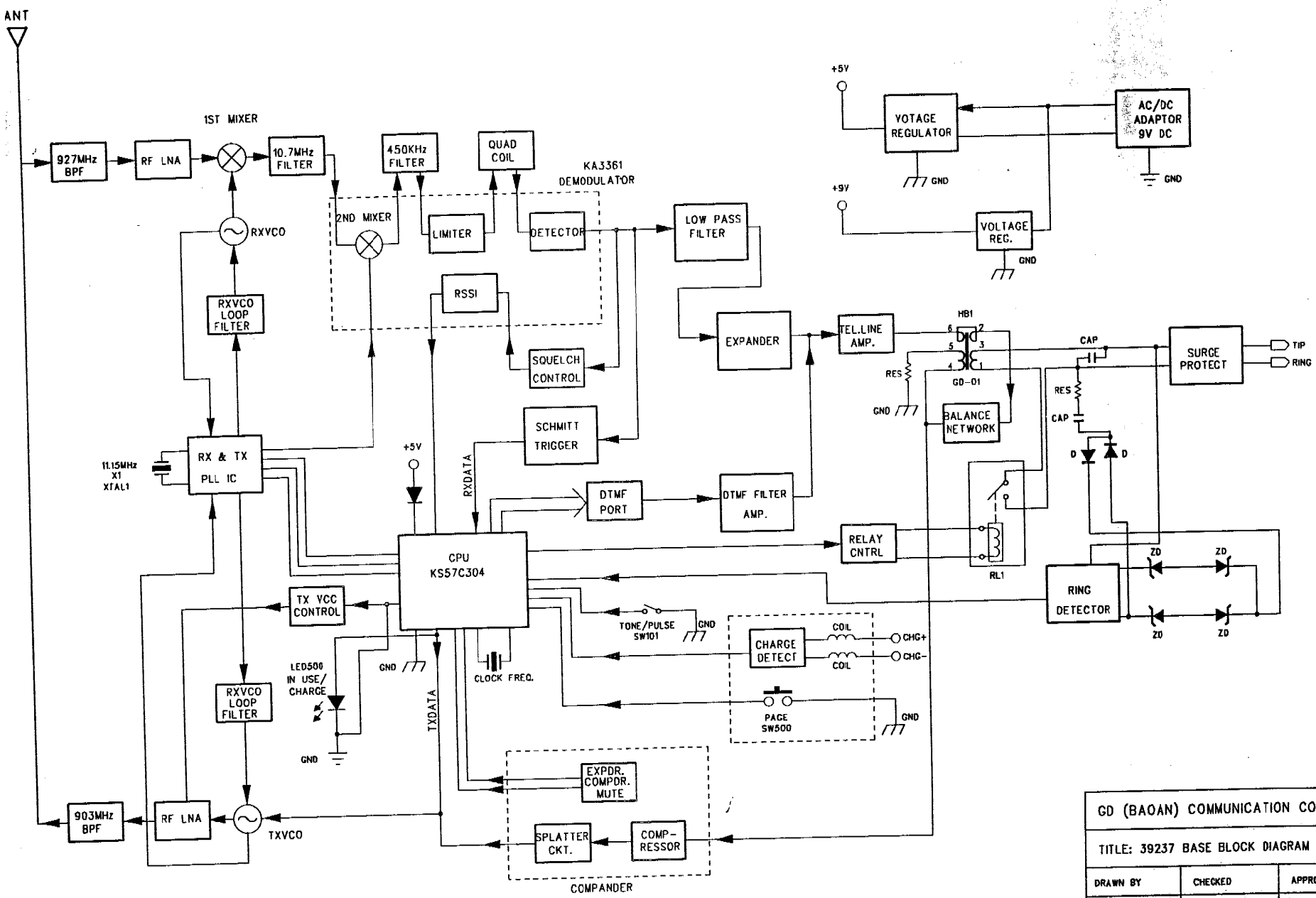
5) Please review the page 13 for the privacy statement on the label.

If you have any question, please contact me at (408) 732 9162. Thank you.

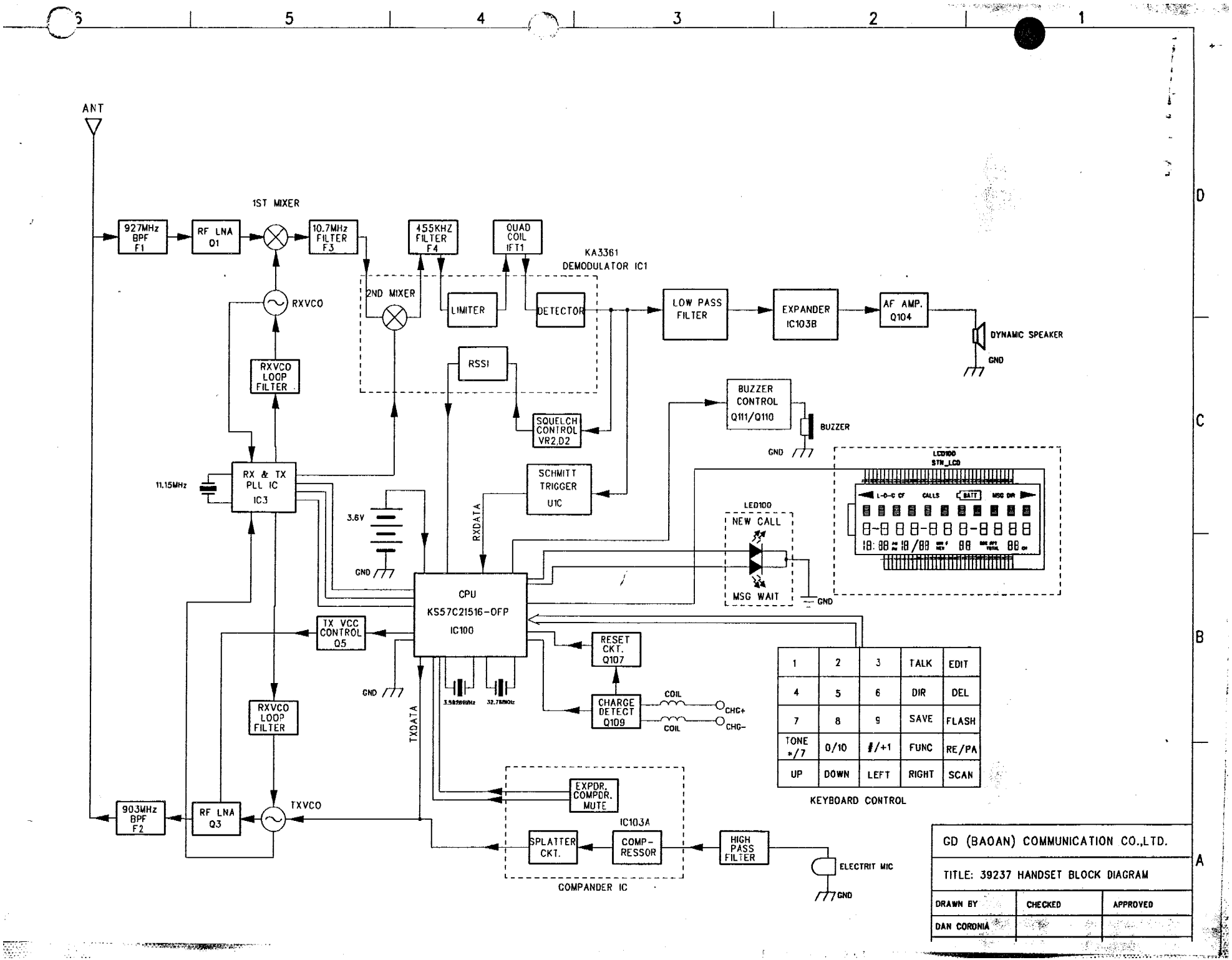
Very truly yours,

John Chan

Bay Area Compliance Laboratory Corp.



GD (BAOAN) COMMUNICATION CO.,LTD.		
TITLE: 39237 BASE BLOCK DIAGRAM		
DRAWN BY	CHECKED	APPROVED
DAN CORONIA		


ANT
1ST MIXER
927MHz BPF F1
RF LNA Q1
10.7MHz FILTER F3
455KHZ FILTER F4
QUAD COIL IFT1
KA3361 DEMODULATOR IC1
2ND MIXER
LIMITER
DETECTOR
LOW PASS FILTER
EXPANDER IC103B
AF AMP. Q104
DYNAMIC SPEAKER
GND
RXVCO
RXVCO LOOP FILTER
RSSI
SQUELCH CONTROL VR2,D2
BUZZER CONTROL Q111/Q110
BUZZER
11.15MHz
RX & TX PLL IC IC3
SCHMITT TRIGGER U1C
3.6V
RXDATA
LED100
NEW CALL
MSG WAIT
LCD100 STN_LCD
CPU KS57C21516-OFP IC100
TX VCC CONTROL Q5
RESET CKT. Q107
CHARGE DETECT Q109
COIL
CHG+
CHG-
TXDATA
RXVCO LOOP FILTER
903MHz BPF F2
RF LNA Q3
TXVCO
EXPDR. COMPDR. MUTE
IC103A
SPLATTER CKT.
COMP-RESSOR
HIGH PASS FILTER
ELECTRIT MIC
COMPANDER IC
KEYBOARD CONTROL
1 2 3 TALK EDIT
4 5 6 DIR DEL
7 8 9 SAVE FLASH
TONE */7 0/10 #/+1 FUNC RE/PA
UP DOWN LEFT RIGHT SCAN
GD (BAOAN) COMMUNICATION CO.,LTD.
TITLE: 39237 HANDSET BLOCK DIAGRAM
DRAWN BY
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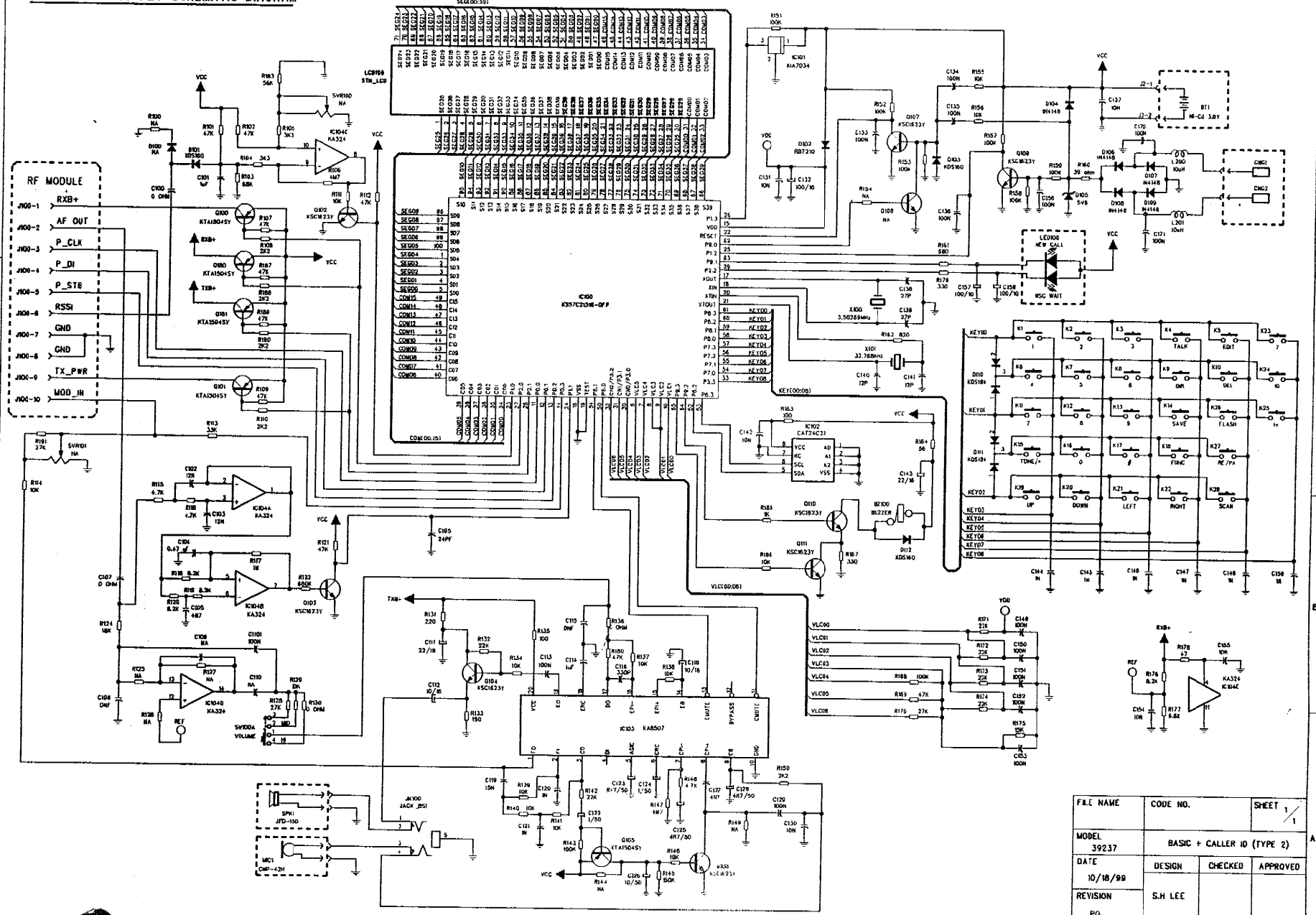
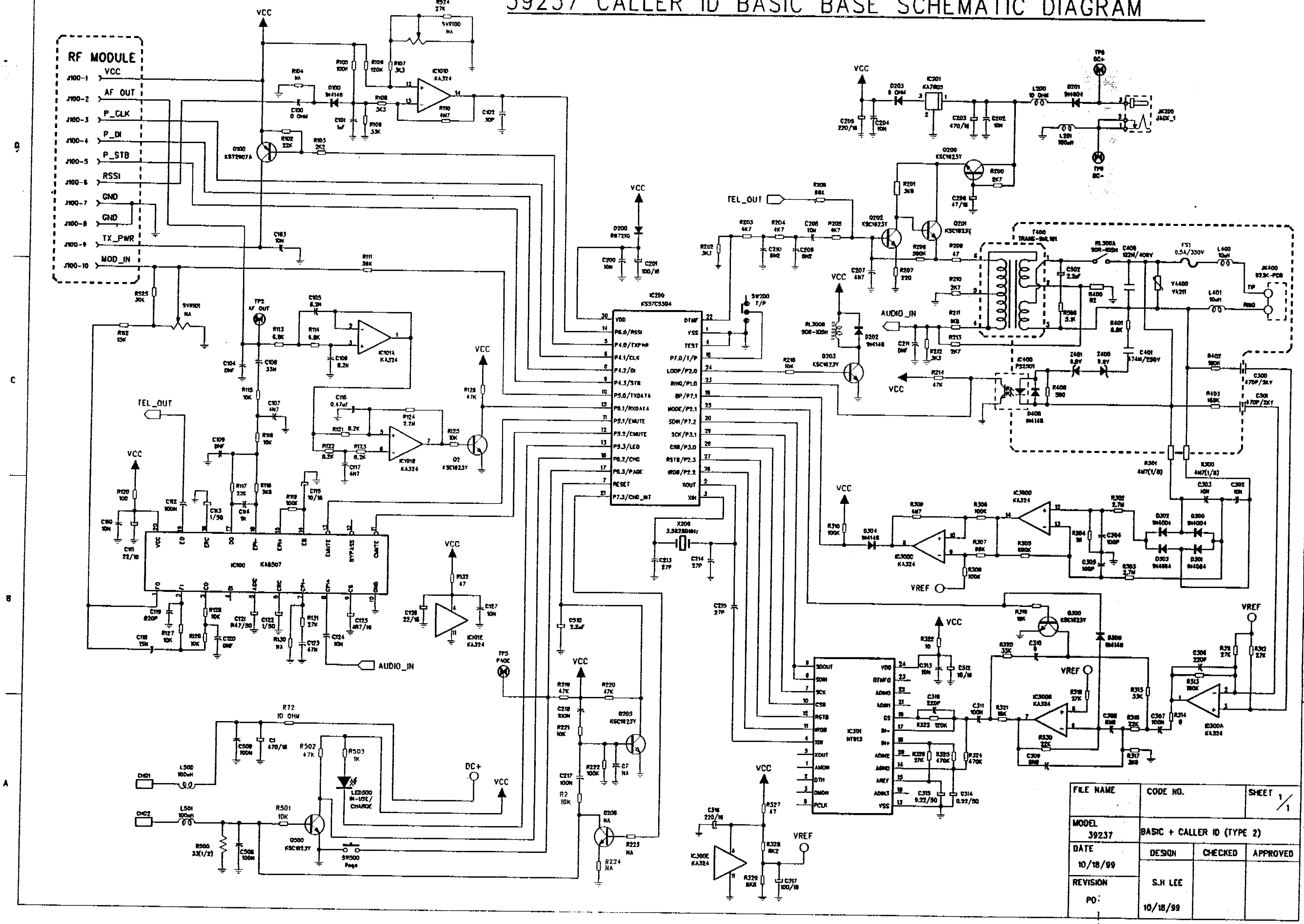
DAN CORONIA

39237 HANDSET KEY SCHEMATIC DIAGRAM



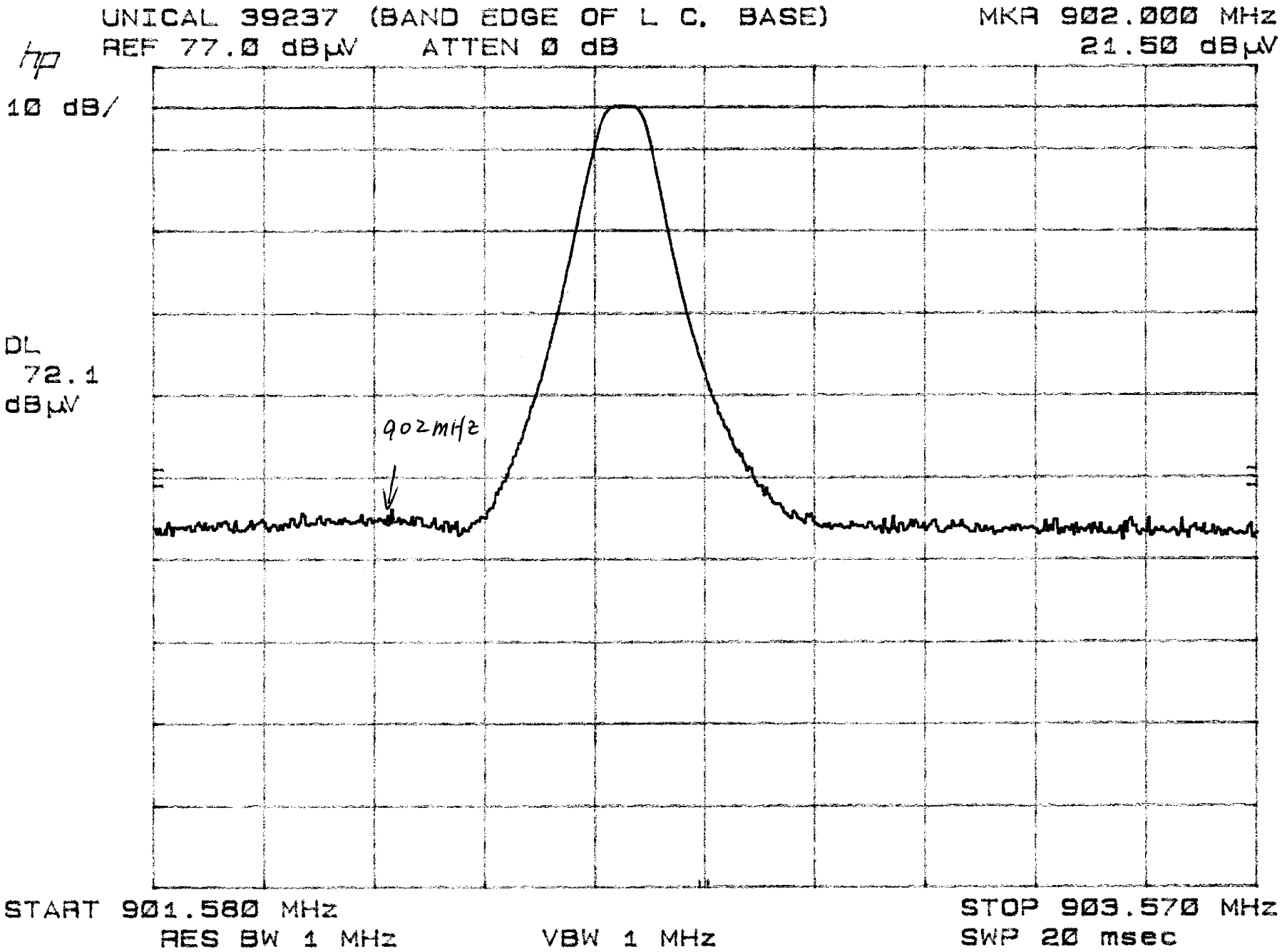
FILE NAME	CODE NO.		SHEET 1/1
MODEL 39237	BASIC + CALLER ID (TYPE 2)		
DATE 10/18/99	DESIGN	CHECKED	APPROVED
REVISION P0	S.H LEE 10/18/99		

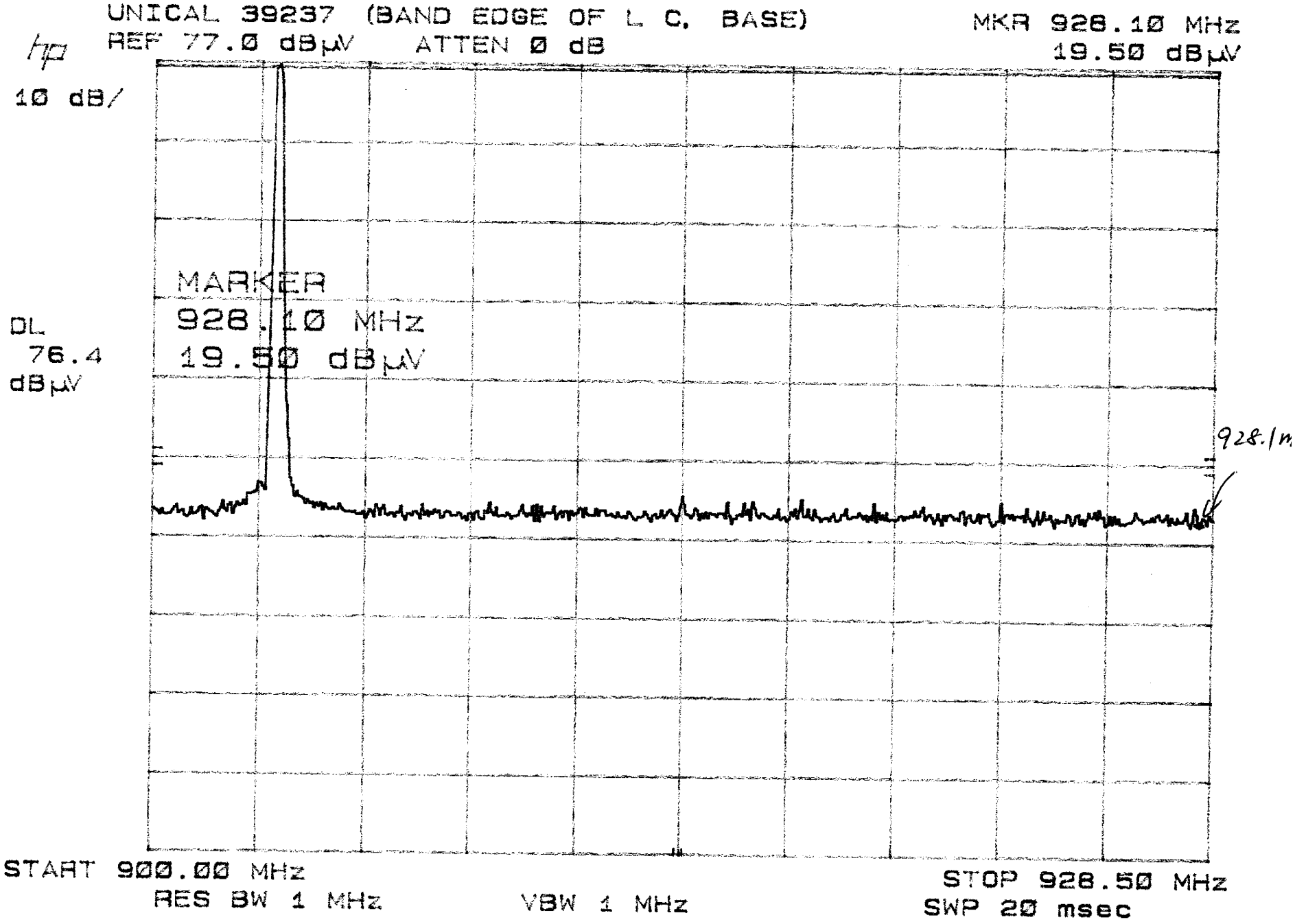
39237 CALLER ID BASIC BASE SCHEMATIC DIAGRAM



FILE NAME	CODE NO.		SHEET 1/1
MODEL 39237	BASIC + CALLER ID (TYPE 2)		
DATE 10/18/99	DESIGN	CHECKED	APPROVED
REVISION PO:	S.H LEE 10/18/99		

3923bm.sch-1 - Tue Oct 19 10:52:36 1999


UNICAL 39237 (BAND EDGE OF L C. BASE)
MKR 902.000 MHz
REF 77.0 dBµV
ATTEN 0 dB
21.50 dBµV
10 dB/
DL
72.1
dBµV
902MHz
START 901.580 MHz
STOP 903.570 MHz
RES BW 1 MHz
VBW 1 MHz
SWP 20 msec


UNICAL 39237 (BAND EDGE OF L C. BASE)
REF 77.0 dBμV
ATTEN 0 dB
MKR 928.10 MHz
19.50 dBμV
10 dB/
MARKER
928.10 MHz
19.50 dBμV
DL
76.4
dBμV
928.1m
START 900.00 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 928.50 MHz
SWP 20 msec

Bay Area Compliance Laboratory Corp.

Company Name : Unical | Test Engineer:John

EUT Description: 900 MHz Cordles Phone M # 39237

Date: 02/12/00 | File Name: 000212B2

Test Setup: EUT/Phone Simulator

Run # 1: Final scan. 30-9000MHz(Base), Low Channel

Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
4512.55	35.5	160	2.2	v3	32.5	4.9	22.0	50.9	54.0	-3.1	Peak
5415.06	33.7	150	1.8	v3	33.9	5.2	22.0	50.8	54.0	-3.2	Peak
1805.02	44.3	125	1.0	h3	25.3	2.6	22.0	50.2	54.0	-3.8	Peak
902.51	81.9	45	1.0	h3	24.8	3.0	19.8	89.9	94.0	-4.1	Peak
1805.02	43.0	60	3.0	v3	25.3	2.6	22.0	48.9	54.0	-5.1	Peak
902.51	80.7	45	1.0	v3	24.8	3.0	19.8	88.7	94.0	-5.3	Peak
4512.55	32.0	120	1.8	h3	32.5	4.9	22.0	47.4	54.0	-6.6	Peak
3610.04	33.0	270	2.0	h3	30.3	4.3	22.0	45.6	54.0	-8.4	Peak
2707.53	34.2	140	2.4	v3	29.0	3.7	22.0	44.9	54.0	-9.1	Peak
3610.04	32.0	160	1.8	v3	30.3	4.3	22.0	44.6	54.0	-9.4	Peak
5415.06	26.3	270	1.8	h3	33.9	5.2	22.0	43.4	54.0	-10.6	Peak
2707.53	32.1	60	2.8	h3	29.0	3.7	22.0	42.8	54.0	-11.2	Peak

Run # 2: Final scan. 30-9000MHz(Base), Middle Channel

Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
1807.44	45.0	180	2.0	h3	25.3	2.6	22.0	50.9	54.0	-3.1	Peak
903.72	82.5	60	1.5	h3	24.8	3.0	19.8	90.5	94.0	-3.5	Peak
5422.32	33.0	120	2.0	h3	33.9	5.2	22.0	50.1	54.0	-3.9	Peak
4518.60	34.6	180	2.0	h3	32.5	4.9	22.0	50.0	54.0	-4.0	Peak
903.72	81.6	45	1.0	v3	24.8	3.0	19.8	89.6	94.0	-4.4	Peak
4518.60	32.9	120	2.0	v3	32.5	4.9	22.0	48.3	54.0	-5.7	Peak
1807.44	42.0	45	1.9	v3	25.3	2.6	22.0	47.9	54.0	-6.1	Peak
3614.88	35.0	300	2.0	h3	30.3	4.3	22.0	47.6	54.0	-6.4	Peak
3614.88	33.6	180	1.0	v3	30.3	4.3	22.0	46.2	54.0	-7.8	Peak
5422.32	28.5	270	1.5	v3	33.9	5.2	22.0	45.6	54.0	-8.4	Peak
2711.16	34.5	120	1.0	v3	29.0	3.7	22.0	45.2	54.0	-8.8	Peak
2711.16	34.0	45	2.0	h3	29.0	3.7	22.0	44.7	54.0	-9.3	Peak

Run # 3: Final scan. 30-9000MHz(Base), High Channel

Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
904.92	82.0	45	1.0	v3	24.8	3.0	19.8	90.0	94.0	-4.0	Peak
1809.84	44.0	225	1.5	h3	25.3	2.6	22.0	49.9	54.0	-4.1	Peak
4524.60	34.3	180	2.0	h3	32.5	4.9	22.0	49.7	54.0	-4.3	Peak
904.92	81.6	45	1.0	h3	24.8	3.0	19.8	89.6	94.0	-4.4	Peak
5429.52	32.1	120	2.0	h3	33.9	5.2	22.0	49.2	54.0	-4.8	Peak
4524.60	32.0	120	2.0	v3	32.5	4.9	22.0	47.4	54.0	-6.6	Peak
3619.68	34.5	300	2.0	h3	30.3	4.3	22.0	47.1	54.0	-6.9	Peak
5429.52	30.0	270	1.8	v3	33.9	5.2	22.0	47.1	54.0	-6.9	Peak
1809.84	40.0	45	1.8	v3	25.3	2.6	22.0	45.9	54.0	-8.1	Peak
3619.68	33.2	180	1.8	v3	30.3	4.3	22.0	45.8	54.0	-8.2	Peak
2714.76	34.9	45	2.8	h3	29.0	3.7	22.0	45.6	54.0	-8.4	Peak
2714.76	34.0	120	2.4	v3	29.0	3.7	22.0	44.7	54.0	-9.3	Peak

Run # 4: Final scan. 30-1000MHz, Spurious Emissions											
Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
468.49	43.0	90	1.1	h3	17.8	3.7	22.4	42.1	46.0	-3.9	Peak
468.60	42.3	0	1.9	v3	17.8	3.7	22.4	41.4	46.0	-4.6	Peak
724.94	30.0	45	1.1	h3	22.2	3.6	19.8	36.0	46.0	-10.0	Peak
611.87	34.0	0	1.1	v3	20.0	3.3	22.8	34.5	46.0	-11.5	Peak
321.97	38.0	30	1.3	h3	15.5	2.8	22.1	34.2	46.0	-11.8	Peak
658.04	30.0	30	1.2	v3	20.7	3.4	21.6	32.5	46.0	-13.5	Peak
Run # 5: Final scan. 30-9000MHz(Handset), Low Channel											
Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
4625.50	35.2	225	2.2	h3	32.5	4.9	22.0	50.6	54.0	-3.4	Peak
925.10	81.6	90	1.0	v3	24.7	4.4	20.2	90.5	94.0	-3.5	Peak
925.10	81.2	90	1.0	h3	24.7	4.4	20.2	90.1	94.0	-3.9	Peak
5550.60	32.0	160	1.8	h3	34.1	5.4	22.0	49.5	54.0	-4.5	Peak
1850.20	43.2	90	3.0	v3	25.3	2.6	22.0	49.1	54.0	-4.9	Peak
4625.50	33.0	180	1.8	h3	32.5	4.9	22.0	48.4	54.0	-5.6	Peak
1850.20	42.0	125	1.0	h3	25.3	2.6	22.0	47.9	54.0	-6.1	Peak
5550.60	30.0	225	1.8	h3	34.1	5.4	22.0	47.5	54.0	-6.5	Peak
3700.40	34.5	160	1.8	h3	30.3	4.3	22.0	47.1	54.0	-6.9	Peak
2775.30	35.2	90	2.8	h3	29.0	3.7	22.0	45.9	54.0	-8.1	Peak
3700.40	33.0	280	2.0	h3	30.3	4.3	22.0	45.6	54.0	-8.4	Peak
2775.30	34.0	150	2.4	h3	29.0	3.7	22.0	44.7	54.0	-9.3	Peak

Run # 6: Final scan. 30-9000MHz(Handset), Middle Channel

Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
926.28	81.9	90	1.0	v3	24.7	4.4	20.2	90.8	94.0	-3.2	Peak
5557.68	33.0	180	1.8	h3	34.1	5.4	22.0	50.5	54.0	-3.5	Peak
926.28	81.3	90	1.0	h3	24.7	4.4	20.2	90.2	94.0	-3.8	Peak
1852.56	44.2	90	3.0	v3	25.3	2.6	22.0	50.1	54.0	-3.9	Peak
4631.40	34.0	180	1.8	h3	32.5	4.9	22.0	49.4	54.0	-4.6	Peak
4631.40	33.2	225	2.2	h3	32.5	4.9	22.0	48.6	54.0	-5.4	Peak
1852.56	42.0	125	1.0	h3	25.3	2.6	22.0	47.9	54.0	-6.1	Peak
3705.12	35.0	270	2.0	h3	30.3	4.3	22.0	47.6	54.0	-6.4	Peak
5557.68	30.0	230	1.8	h3	34.1	5.4	22.0	47.5	54.0	-6.5	Peak
2778.84	36.0	180	2.4	h3	29.0	3.7	22.0	46.7	54.0	-7.3	Peak
2778.84	34.0	125	2.8	h3	29.0	3.7	22.0	44.7	54.0	-9.3	Peak
3705.12	32.0	180	1.8	h3	30.3	4.3	22.0	44.6	54.0	-9.4	Peak

Run # 7: Final scan. 30-9000MHz(Handset), High Channel

Frequency	Reading	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier	Correction Factor	FCCB	FCCB	
MHz	dBuV	Degree	Meter	H / V	dBuV	dBuV	dBuV	dBuV	Limit	Margin	Comments
927.48	81.1	90	1.0	v3	24.7	4.4	20.2	90.0	94.0	-4.0	Peak
4637.40	34.5	180	1.8	h3	32.5	4.9	22.0	49.9	54.0	-4.1	Peak
1854.96	44.0	90	3.0	v3	25.3	2.6	22.0	49.9	54.0	-4.1	Peak
5564.88	32.3	180	1.8	h3	34.1	5.4	22.0	49.8	54.0	-4.2	Peak
4637.40	34.0	225	2.2	h3	32.5	4.9	22.0	49.4	54.0	-4.6	Peak
927.48	80.0	90	1.0	h3	24.7	4.4	20.2	88.9	94.0	-5.1	Peak
5564.88	31.0	230	1.8	h3	34.1	5.4	22.0	48.5	54.0	-5.5	Peak
1854.96	41.6	125	1.0	h3	25.3	2.6	22.0	47.5	54.0	-6.5	Peak
2782.44	36.0	180	2.4	h3	29.0	3.7	22.0	46.7	54.0	-7.3	Peak
3709.92	33.3	270	2.0	h3	30.3	4.3	22.0	45.9	54.0	-8.1	Peak
2782.44	35.0	125	2.8	h3	29.0	3.7	22.0	45.7	54.0	-8.3	Peak
3709.92	33.0	180	1.8	h3	30.3	4.3	22.0	45.6	54.0	-8.4	Peak

⚠ FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this telephone.

1. This telephone is hearing aid compatible.
2. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
3. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
4. If your telephone causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
5. Your telephone company may make changes to its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
6. If you experience trouble with the telephone, please contact Northwestern Bell Phones for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
7. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.).

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. Privacy of communications may not be insured when using this phone.

OWNER'S MANUAL # 39237 ver. 09069A-1

Page: 5 ENGLISH VERSION

OWNER'S MANUAL # 39237 ver. 09069A-1

Page: 6 ENGLISH VERSION

IMPORTANT CORDLESS TELEPHONE INFORMATION

G

INTERFERENCE INFORMATION

Notice: This cordless telephone uses radio communications between the handset and the base unit, and may not ensure privacy of communication. Other devices including other cordless telephones may interfere with the operation of this cordless telephone or cause noise during operation. Cordless telephone equipment generates and receives radio waves and, if not installed and used properly, may pick up interference.

To prevent interference:

Avoid locations such as heating appliances, electrical equipment (e.g., fluorescent lamp, TV, radio, refrigerator, computer), places subject to direct sunlight, excessive dust, moisture, vibration, etc.

Locate the base unit in a high place in the house (such as the second floor) in order to receive the effective communication range. Fully extend the base unit antenna. Telephones must not cause ...erence to any licensed radio service.

WARNING

To prevent fire or shock hazard, do not expose the set to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

1. Use batteries only intended for recharging. Use only the following battery pack: Nickel-Cadmium Rechargeable, 3.6 volts, 600 mAh.
2. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for special disposal instructions.
3. Do not open or mutilate the battery Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care when handling the battery in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

Ni-Cd

CONTAINS: NICKEL-CADMIUM RECHARGEABLE BATTERY. MUST BE RECYCLED OR DISPOSED OF PROPERLY.