

TEST MODE SPECIFICATION

BUYER'S MODEL No.	: AE72H
UNIDEN No.	: UB339A
VERSION No.	: 1.00
ISSUED DATE	: 2005/8/16
CATEGORY	: SCN
NAME	: Tatsuya Fukada

< UB339A TEST MODE SPECIFICATION >

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TEST MODE SPECIFICATION

BUYER'S MODEL No.	: AE33H
UNIDEN No.	: UB339A
VERSION No.	: r.00
ISSUED DATE	: 2005/8/18
CATEGORY	: SCN
NAME	: Tatsuya Fukuda

1 LIST OF THE TEST MODE

Following test modes are implemented for this model:

- CH SCAN TEST
- SCN RATE TEST
- VHI SEARCH TEST
- UHF SEARCH TEST
- 10kHz SEARCH TEST
- AIR SEARCH TEST (8.33kHz step)
- AIR SEARCH TEST (12.5kHz step)
- SEARCH RATE TEST
- CLOSE CALL TEST
- LCD SEG TEST
- SOFT VER TEST
- CHECK SUM TEST
- EFP DMP TEST
- BAND PLAN CHANGE

2 HOW TO ENTER THE TEST MODE

Firstly turn off the unit, then press and hold the corresponding keys for each test mode (see the table below) when you turn on the unit.

Note that an initialization of EEPROM memory must be done before you start using the unit to clear all unnecessary data. Press and hold [2][9][HOLD] keys when you turn on the unit for initialization without BAND PLAN information. Press and hold [3][9][HOLD] keys when you turn on the unit for initialization including BAND PLAN information (All memory clear).

KEYS for TEST	TEST MODE
[2][9][SCAN]	CH SCAN TEST
[1][9][SCAN]	SCN RATE TEST
[2][9][FUNC]	VHI SEARCH TEST
[2][9][1]	UHF SEARCH TEST
[3][9][FUNC]	10kHz SEARCH TEST
[1][9][FUNC]	AIR SEARCH TEST (8.33kHz step)
[1][0][E]	AIR SEARCH TEST (12.5kHz step)
[2][9][4]	SEARCH RATE TEST
[3][0][HOLD]	CLOSE CALL TEST
[2][9][. / CLR]	LCD SEG TEST
[2][9][5]	SOFT VER TEST
[2][9][0]	CHECK SUM TEST
[1][9][HOLD]	EFP DMP TEST
[1]	BAND PLAN CHANGE (BAND PLAN 1)
[2]	BAND PLAN CHANGE (BAND PLAN 2)
[3]	BAND PLAN CHANGE (BAND PLAN 3)

NOTE: In test mode, Key Lock is deactivated and the interval time of the BATTERY LOW Alert is set to 1 second.

3 OPERATION PROCEDURE

3.1 CH SCAN TEST

Preset frequencies described below table are programmed in channel memory ("-LoAd-" will be displayed while programming). Afterward scanner starts normal operation in SCAN MODE. Since the channel memories from Ch#23 to Ch#100 are not cleared, you must initialize the memory prior to entering the test mode.

CH	Frequency	Mode
1	25.0050	FM
2	54.0500	FM
3	86.2750	FM
4	118.8000	AM
5	127.1750	AM
6	135.5000	AM
7	138.1500	FM
8	162.4000	FM
9	173.2200	FM
10	406.8750	FM
11	453.2500	FM
12	511.9125	FM
13	108.5000	AM
14	473.35625	FM
15	000.0000	-
16	000.0000	-
17	000.0000	-
18	000.0000	-
19	000.0000	-
20	000.0000	-
21	25.0000	FM
22	512.0000	FM

Preset Frequency

Additionally, preset search range (25.0000 – 512.0000MHz) will be programmed in Search Bank #1.

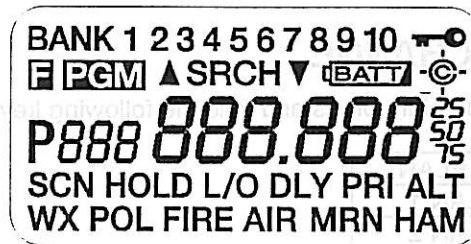
3.2 SEARCH TEST

Following search range for each search test described below table are programmed in Search Bank #1. Band plan is automatically set to 1. Afterward, scanner starts upward-search in SEARCH MODE.

VHI SEARCH TEST	28.500 – 28.600 MHz (FM, 5 kHz STEP)
UHF SEARCH TEST	406.900 - 407.000 MHz (FM, 6.25 kHz STEP)
10kHz SEARCH TEST	466.500 – 466.600 MHz (FM, 10kHz STEP)
AIR SEARCH TEST	127.000 – 127.100 MHz (AM, 8.33/12.5kHz STEP)

3.3 LCD TEST

All segments/icons are turned on. Press any key to quit the test mode and start normal scanner operation.



LCD all segments

3.4 SCAN RATE TEST

163.000MHz is programmed in Ch#1. From Ch#2 to 100, a frequency added 20 kHz step to previous channel frequency is programmed in each channel.

(163.020 for Ch#2, 163.040 for Ch#3, ...)

"-LoAd" is displayed while programming. Afterward, scanner starts normal operation in SCAN MODE.

3.5 SEARCH RATE TEST

Following search range is programmed in Search Bank#1. Afterward, scanner starts upward-search in SEARCH MODE.

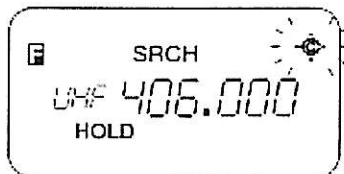
28.500 – 29.500 MHz (FM, 5 kHz STEP)

3.6 CLOSE CALL TEST

Displayed the following screen when carry out CLOSE CALL TEST.

By pressing [▲],[▼]key, close call search band changes.

(Setting of band can choose only band select of ON by normal mode)



3.7 CHECK SUM TEST

Checksum number is displayed for 3seconds. Afterward, scanner starts normal operation in SCAN MODE.

3.8 SOFTWARE VERSION TEST

Model name (UB Number), Software version and Checksum number are displayed for 3 seconds respectively. Afterward, scanner starts normal operation in SCAN MODE.

3.9 EEP DUMP TEST

In this mode you can see the memory data of EEPROM. Memory address and data in the address are displayed. Press [▲]/ [▼] key to increase/decrease the address. Press [./CLR] key to jump to next 256byte block.

4 HOW TO END THE TEST MODE

Turn off the unit to quit test mode. Memory data programmed in test mode is retained. Interval time of the BATTERY LOW Alert is set to 15 seconds.

5 BAND PLAN CHANGE

To change the band plan, press and hold the following key when you turn on the unit.

Key	BAND PLAN
[1]	BAND PLAN 1
[2]	BAND PLAN 2
[3]	BAND PLAN 3

Please refer to the operation specification for frequency range covered in each band plan.

Memory initialization by [3][9][HOLD] will reset the band plan to 1.

Memory initialization by [2][9][HOLD] will not clear the band plan information.

6 History of changes

Version	Date	Author	Comment
1.00	2005/8/16	Tatsuya Fukada	Initial Version

