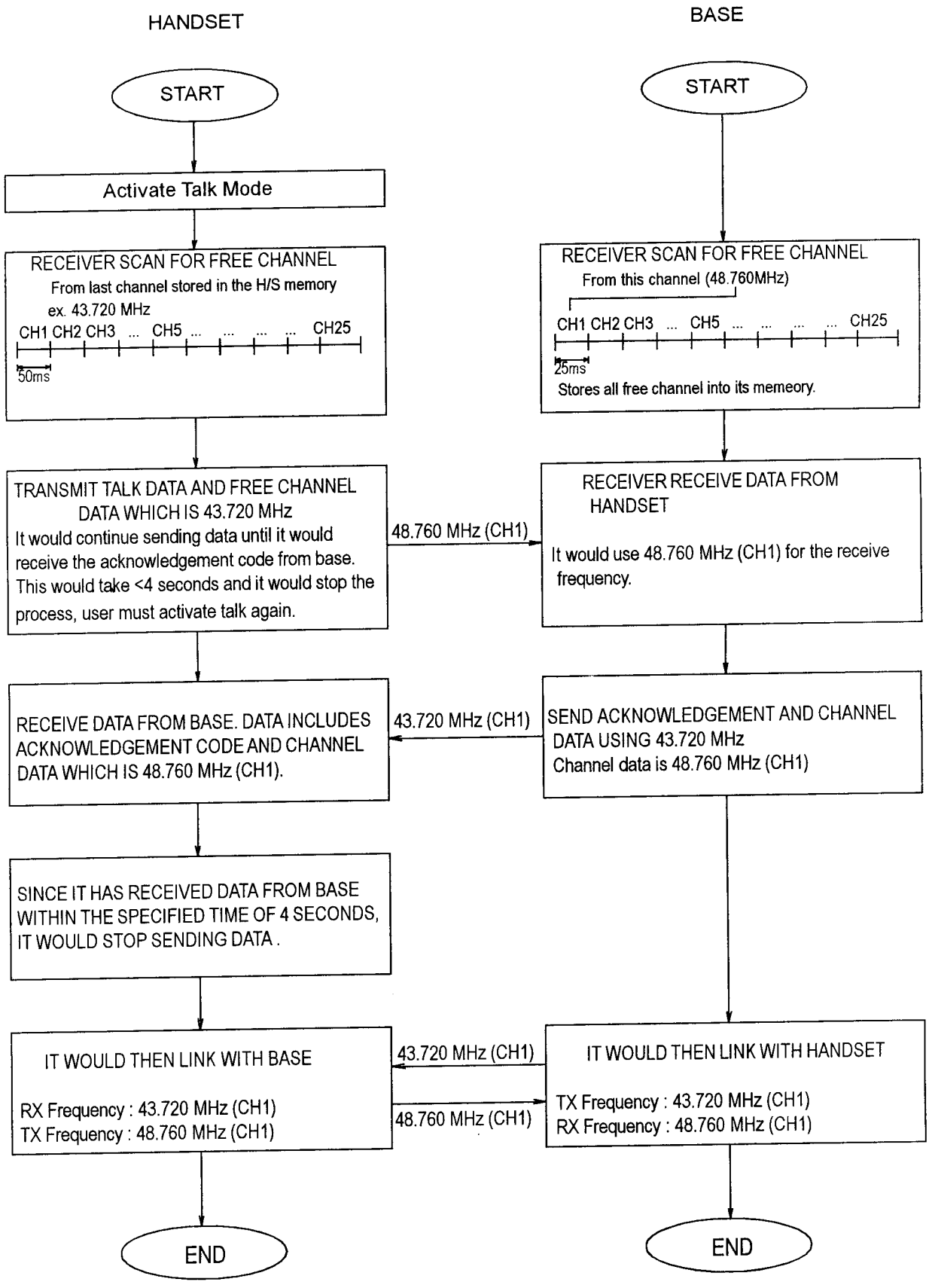
TALK MODE

CONDITION 1 : All channels are unoccupied (Free channel)

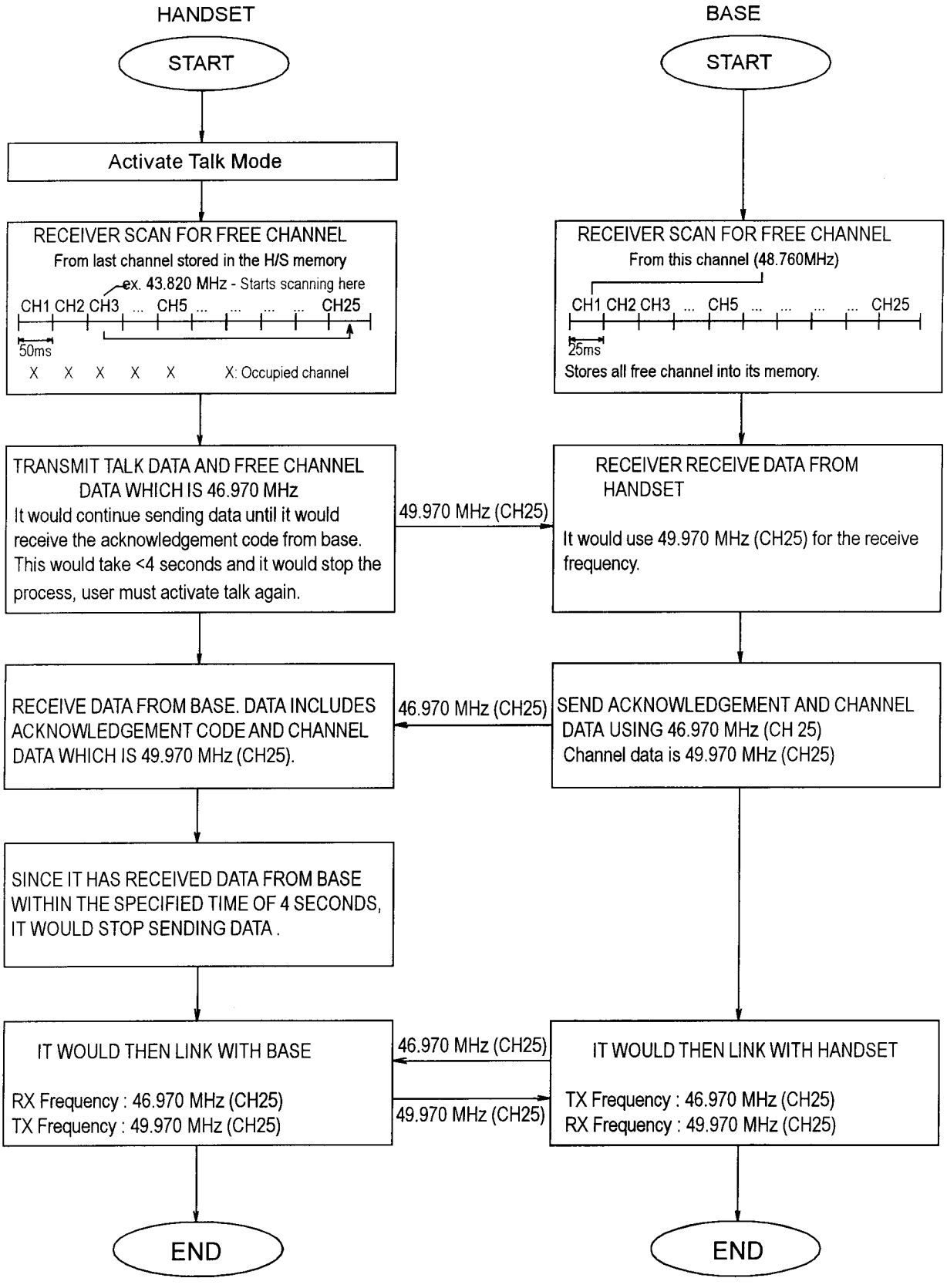


TALK MODE

CONDITION 2 : Multi channel on the base TX frequency are occupied.

Ex. CH 1: 43.720 MHz CH 4 : 43.840 MHz
CH 2: 43.740 MHz CH 5 : 43.920 MHz
CH 3: 43.820 MHz

CH 3: 43.820 MHz - Stored channel during the last link in handset memory

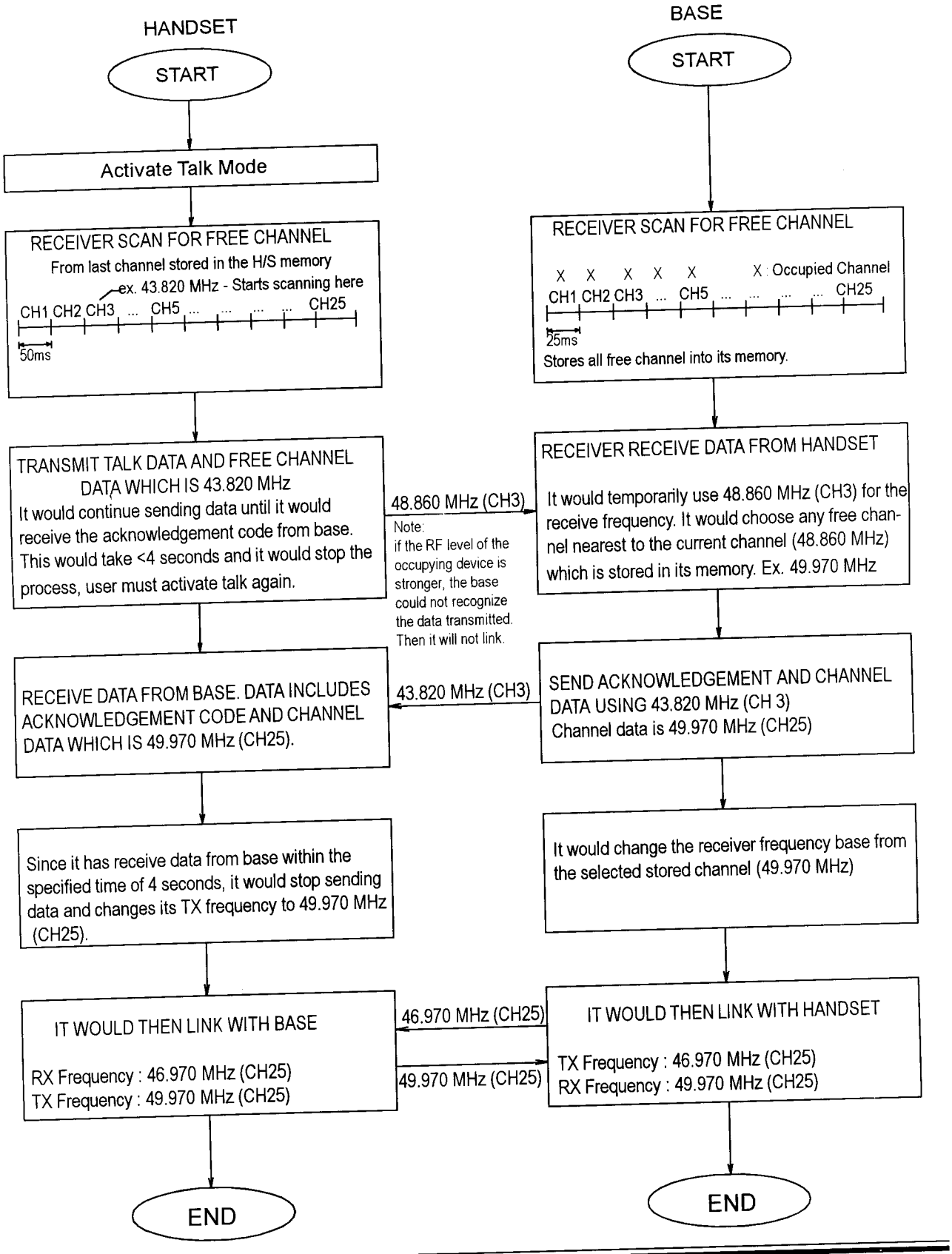


TALK MODE

CONDITION 3 : Multi channel on the Handset TX frequency are occupied.

Ex. CH 1: 48.760 MHz CH 4 : 48.920 MHz
CH 2: 48.840 MHz CH 5 : 48.020 MHz
CH 3: 48.860 MHz

CH 3: 43.820 MHz - Stored channel during the last link in handset memory

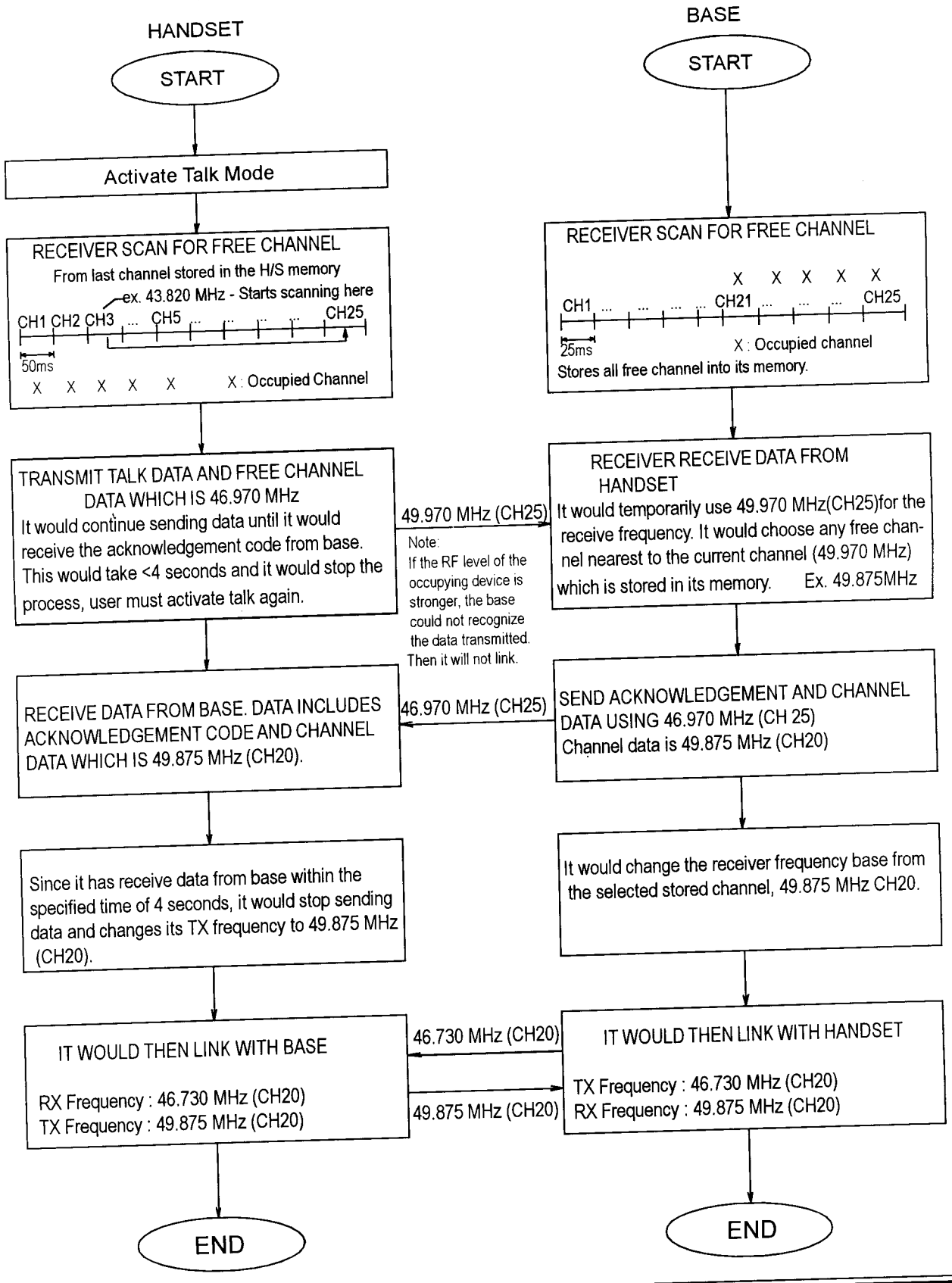


TALK MODE

CONDITION 4 : Multi channel on the Base TX and Handset TX frequency are occupied.

Ex. CH 1: 48.760 MHz CH 4 : 48.920 MHz CH 21: 49.830 MHz CH 24: 49.990 MHz
CH 2: 48.840 MHz CH 5 : 48.020 MHz CH 22: 49.890 MHz CH 25: 49.970 MHz
CH 3: 48.860 MHz CH 23: 49.930 MHz

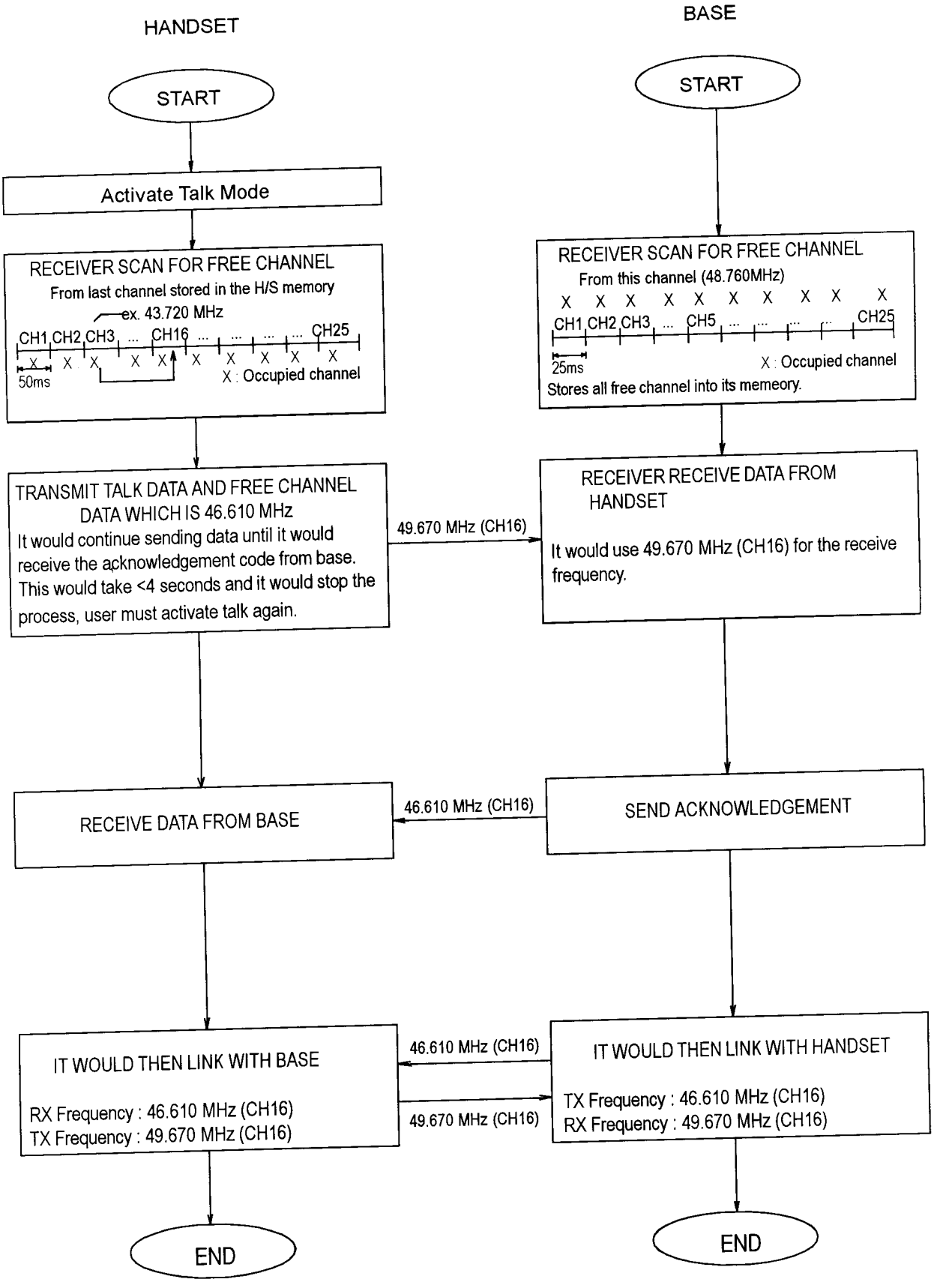
CH 3: 43.820 MHz - Stored channel during the last link in handset memory



TALK MODE

CONDITION 5 : All TX channels of Handset and Base are occupied (All Busy)

CH3 : 43.820 MHz - Stored channel during the last link in Handset memory.



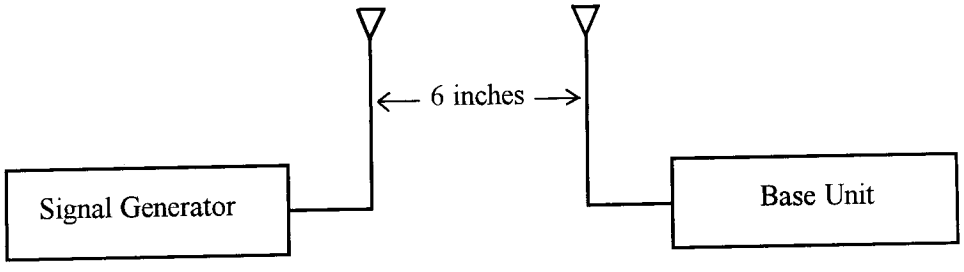
33030 AUTOMATIC CHANNEL SELECTION

The following tests were performed to show the incorporation of automatic channel selection.

Equipment Used to Perform the Tests

- JUNGJIN JSG-1051B Signal Generator
  Interference Signal 1KHz, 5KHz deviation

Test Set-Up



Test Procedures

1. Set signal generator at a certain channel (e.g. channel 1), then turn the generator off.
2. Turn on the phone, set the phone at the same channel as in step 1, then turn off the phone.
3. Turn on the signal generator.
4. Turn on the phone, investigate and record the locked channel. If scan functions correctly, it will lock to any channel, but not the one in step 1.
5. Repeat Step 1-4 for 25 channels

Test Results

INTERFERENCE CHANNEL AT	PHONE PRE-SET CHANNEL AT	PHONE AUTO-SCAN TO CHANNEL AT -13 dBm
1	1	2
2	2	3
3	3	4
4	4	5
5	5	7
6	6	7
7	7	8
8	8	9
9	9	10
10	10	11
11	11	12
12	12	14
13	13	14
14	14	15
15	15	16
16	16	17
17	17	18
18	18	19
19	19	20
20	20	22
21	21	22
22	22	23
23	23	24
24	24	25
25	25	1

Summary

The phone under test has an automatic selection mechanism that will prevent establishment of a link on any occupied frequency channel.