

## GT-P8000 TEST MODE

### 1. BASE UNIT

#### 1-1. TEST MODE SETTING

- PRESS THE "PAGE" KEY AND PLUG THE ADAPTOR INTO THE AC WALL OUTLET.  
IN USE/CHARGE LED WILL BE TURNED UP.

#### 1-2. CHANNEL SELECTOR

- TO INCREASE THE CHANNEL NUMBER, PRESS THE "PAGE" KEY.

#### 1-3. WHEN ENTERED INTO TEST MODE, 21th (240355 MHz) CHANNEL IS SET.

#### 1-4. PLL VT VOLTAGE(21th : 240355 MHz)

Tx : 2.5V(SPPC : 1.0V ~ 3.5V)

Rx : 2.5V(SPEC : 1.0V ~ 3.5V)

### 2. HANDY UNIT

#### 1-1. TEST MODE SETTING

- PRESS THE "#" KEY AND CONNECT THE BATTERY

#### 1-2. CHANNEL SELECTOR

- TO INCREASE THE CHANNEL NUMBER, PRESS THE "CALLS" BUTTON.

#### 1-4. MEMORY ALL DELETE

- DURING THE TEST MODE, PRESS THE DIAL "FLASH" BUTTON.

#### 1-5. WHEN ENTERED INTO TEST MODE, 21th (2475000MHz) CHANNEL IS SET.

#### 1-6. PLL VT VOLTAGE(20th 2475000MHz)

Tx : 1.5V(SPEC : 1.0V ~ 2.0V)

Rx : 1.5V(SPEC : 1.0V ~ 2.0V)

# TITLE: Model CT-P8000 (50 CHANNELS 2.4GHz) Automatic Channel Selection Mechanism

## TALK MODE

CONDITION 1 : Multi channel on the Base TX frequency are occupied

Ex: CH1: 2402.55MHz CH4: 2402.70MHz

CH2: 2402.60MHz CH3: 2402.75MHz

CH5: 2402.65MHz

CH3: 2402.65MHz - Stored channel during the last link in handset memory

HANDSET

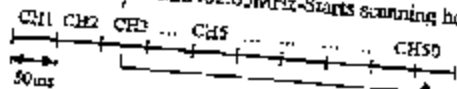
START

Activate Talk Mode

RECEIVER SCAN FOR FREE CHANNEL

From last channel stored in the H/S memory

ex: 2402.65MHz - Starts scanning here



TRANSMIT TALK DATA AND FREE CHANNEL DATA WHICH IS 2405MHz

It would continue sending data until it would receive the acknowledgement code from base. This would take 4 seconds and it would stop the process, user must activate talk again.

RECEIVE DATA FROM BASE, DATA INCLUDES ACKNOWLEDGEMENT CODE AND CHANNEL DATA WHICH IS 2476.45MHz (CH50).

SINCE IT HAS RECEIVE DATA FROM BASE WITHIN THE SPECIFIED TIME OF 4 SECONDS, IT WOULD STOP SENDING DATA.

IT WOULD THEN LINK WITH BASE

RX Frequency : 2405 MHz (CH50)  
TX Frequency : 2476.45 MHz (CH50)

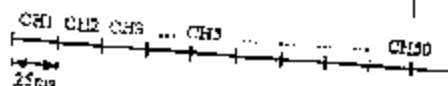
END

BASE

START

RECEIVER SCAN FOR FREE CHANNEL

From this channel (2474.50MHz)



Saves all free channel into its memory

RECEIVER RECEIVE DATA FROM HANDSET

It would use 2476.45MHz (CH50) for the receive frequency.

SEND ACKNOWLEDGEMENT AND CHANNEL DATA USING 2405MHz (CH50)  
Channel data is 2476.45MHz (CH50).

IT WOULD THEN LINK WITH HANDSET

TX Frequency : 2405 MHz (CH50)  
RX Frequency : 2476.45 MHz (CH50)

END

# TITLE: Model CT-P8060(50CHANNELS 2.4GHz)Automatic Channel Selection Mechanism

## TALK MODE

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

Ex. CH1:2474.05MHz CH4:2474.15MHz  
CH2:2474.05MHz CH3:2474.20MHz  
CH3:2474.10MHz

CH3:2474.10MHz-Stored channel during the last link in handset memory

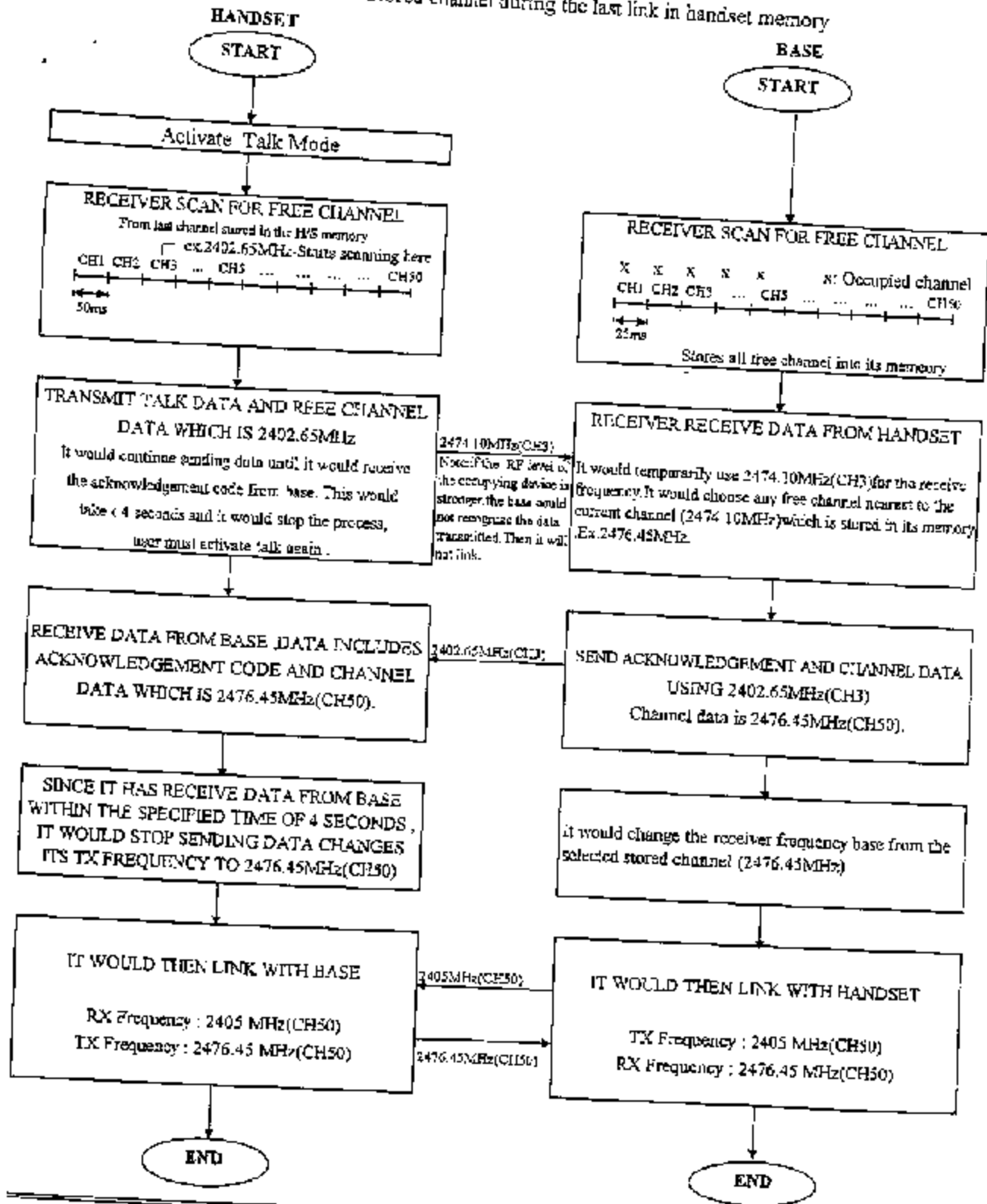


Table 2-4. LMX1602 CLP DUAL PLL FREQ

| Ch | <HANDY>   |              |          |              | <BASE>   |              |           |              |
|----|-----------|--------------|----------|--------------|----------|--------------|-----------|--------------|
|    | Tx (MHz)  | Tx_Vco (MHz) | Rx (MHz) | Rx_Vco (MHz) | Tx (MHz) | Tx_Vco (MHz) | Rx (MHz)  | Rx_Vco (MHz) |
| 1  | 2,474.000 | 824.6666667  | 2402.55  | 797.283      | 2402.35  | 797.283      | 2,474.000 | 824.6666667  |
| 2  | 2,474.050 | 824.6833333  | 2402.6   | 797.300      | 2402.6   | 797.300      | 2,474.050 | 824.6833333  |
| 3  | 2,474.100 | 824.7        | 2402.65  | 797.317      | 2402.65  | 797.317      | 2,474.100 | 824.7        |
| 4  | 2,474.150 | 824.7166667  | 2402.7   | 797.333      | 2402.7   | 797.333      | 2,474.150 | 824.7166667  |
| 5  | 2,474.200 | 824.7333333  | 2402.75  | 797.350      | 2402.75  | 797.350      | 2,474.200 | 824.7333333  |
| 6  | 2,474.250 | 824.75       | 2402.8   | 797.367      | 2402.8   | 797.367      | 2,474.250 | 824.75       |
| 7  | 2,474.300 | 824.7666667  | 2402.85  | 797.383      | 2402.85  | 797.383      | 2,474.300 | 824.7666667  |
| 8  | 2,474.350 | 824.7833333  | 2402.9   | 797.400      | 2402.9   | 797.400      | 2,474.350 | 824.7833333  |
| 9  | 2,474.400 | 824.8        | 2402.95  | 797.417      | 2402.95  | 797.417      | 2,474.400 | 824.8        |
| 10 | 2,474.450 | 824.8166667  | 2403     | 797.433      | 2403     | 797.433      | 2,474.450 | 824.8166667  |
| 11 | 2,474.500 | 824.8333333  | 2403.05  | 797.450      | 2403.05  | 797.450      | 2,474.500 | 824.8333333  |
| 12 | 2,474.550 | 824.85       | 2403.1   | 797.467      | 2403.1   | 797.467      | 2,474.550 | 824.85       |
| 13 | 2,474.600 | 824.8666667  | 2403.15  | 797.483      | 2403.15  | 797.483      | 2,474.600 | 824.8666667  |
| 14 | 2,474.650 | 824.8833333  | 2403.2   | 797.500      | 2403.2   | 797.500      | 2,474.650 | 824.8833333  |
| 15 | 2,474.700 | 824.9        | 2403.25  | 797.517      | 2403.25  | 797.517      | 2,474.700 | 824.9        |
| 16 | 2,474.750 | 824.9166667  | 2403.3   | 797.533      | 2403.3   | 797.533      | 2,474.750 | 824.9166667  |
| 17 | 2,474.800 | 824.9333333  | 2403.35  | 797.550      | 2403.35  | 797.550      | 2,474.800 | 824.9333333  |
| 18 | 2,474.850 | 824.95       | 2403.4   | 797.567      | 2403.4   | 797.567      | 2,474.850 | 824.95       |
| 19 | 2,474.900 | 824.9666667  | 2403.45  | 797.583      | 2403.45  | 797.583      | 2,474.900 | 824.9666667  |
| 20 | 2,474.950 | 824.9833333  | 2403.5   | 797.600      | 2403.5   | 797.600      | 2,474.950 | 824.9833333  |
| 21 | 2,475.000 | 825          | 2403.55  | 797.617      | 2403.55  | 797.617      | 2,475.000 | 825          |
| 22 | 2,475.050 | 825.0166667  | 2403.6   | 797.633      | 2403.6   | 797.633      | 2,475.050 | 825.0166667  |
| 23 | 2,475.100 | 825.0333333  | 2403.65  | 797.650      | 2403.65  | 797.650      | 2,475.100 | 825.0333333  |
| 24 | 2,475.150 | 825.05       | 2403.7   | 797.667      | 2403.7   | 797.667      | 2,475.150 | 825.05       |
| 25 | 2,475.200 | 825.0666667  | 2403.75  | 797.683      | 2403.75  | 797.683      | 2,475.200 | 825.0666667  |
| 26 | 2,475.250 | 825.0833333  | 2403.8   | 797.700      | 2403.8   | 797.700      | 2,475.250 | 825.0833333  |
| 27 | 2,475.300 | 825.1        | 2403.85  | 797.717      | 2403.85  | 797.717      | 2,475.300 | 825.1        |
| 28 | 2,475.350 | 825.1166667  | 2403.9   | 797.733      | 2403.9   | 797.733      | 2,475.350 | 825.1166667  |
| 29 | 2,475.400 | 825.1333333  | 2403.95  | 797.750      | 2403.95  | 797.750      | 2,475.400 | 825.1333333  |
| 30 | 2,475.450 | 825.15       | 2404     | 797.767      | 2404     | 797.767      | 2,475.450 | 825.15       |
| 31 | 2,475.500 | 825.1666667  | 2404.05  | 797.783      | 2404.05  | 797.783      | 2,475.500 | 825.1666667  |
| 32 | 2,475.550 | 825.1833333  | 2404.1   | 797.800      | 2404.1   | 797.800      | 2,475.550 | 825.1833333  |
| 33 | 2,475.600 | 825.2        | 2404.15  | 797.817      | 2404.15  | 797.817      | 2,475.600 | 825.2        |
| 34 | 2,475.650 | 825.2166667  | 2404.2   | 797.833      | 2404.2   | 797.833      | 2,475.650 | 825.2166667  |
| 35 | 2,475.700 | 825.2333333  | 2404.25  | 797.850      | 2404.25  | 797.850      | 2,475.700 | 825.2333333  |
| 36 | 2,475.750 | 825.25       | 2404.3   | 797.867      | 2404.3   | 797.867      | 2,475.750 | 825.25       |
| 37 | 2,475.800 | 825.2666667  | 2404.35  | 797.883      | 2404.35  | 797.883      | 2,475.800 | 825.2666667  |
| 38 | 2,475.850 | 825.2833333  | 2404.4   | 797.900      | 2404.4   | 797.900      | 2,475.850 | 825.2833333  |
| 39 | 2,475.900 | 825.3        | 2404.45  | 797.917      | 2404.45  | 797.917      | 2,475.900 | 825.3        |
| 40 | 2,475.950 | 825.3166667  | 2404.5   | 797.933      | 2404.5   | 797.933      | 2,475.950 | 825.3166667  |
| 41 | 2,476.000 | 825.3333333  | 2404.55  | 797.950      | 2404.55  | 797.950      | 2,476.000 | 825.3333333  |
| 42 | 2,476.050 | 825.35       | 2404.6   | 797.967      | 2404.6   | 797.967      | 2,476.050 | 825.35       |
| 43 | 2,476.100 | 825.3666667  | 2404.65  | 797.983      | 2404.65  | 797.983      | 2,476.100 | 825.3666667  |
| 44 | 2,476.150 | 825.3833333  | 2404.7   | 798.000      | 2404.7   | 798.000      | 2,476.150 | 825.3833333  |
| 45 | 2,476.200 | 825.4        | 2404.75  | 798.017      | 2404.75  | 798.017      | 2,476.200 | 825.4        |
| 46 | 2,476.250 | 825.4166667  | 2404.8   | 798.033      | 2404.8   | 798.033      | 2,476.250 | 825.4166667  |
| 47 | 2,476.300 | 825.4333333  | 2404.85  | 798.050      | 2404.85  | 798.050      | 2,476.300 | 825.4333333  |
| 48 | 2,476.350 | 825.45       | 2404.9   | 798.067      | 2404.9   | 798.067      | 2,476.350 | 825.45       |
| 49 | 2,476.400 | 825.4666667  | 2404.95  | 798.083      | 2404.95  | 798.083      | 2,476.400 | 825.4666667  |
| 50 | 2,476.450 | 825.4833333  | 2405     | 798.100      | 2405     | 798.100      | 2,476.450 | 825.4833333  |