

K3852(NSA1000) Adjustment and Measurement Guide

<Key operation>	<Function/LCD indication>
1:[Power Switch]	No Service
2:~KeyRubberSwitch~ [5]+[4]+[#]+[3]+[Fun]+[2]+[#]	Test Mode
3:[Fun]+[Men]+[Send]	Align Mode
4:[CLR]	01-255
5:[CLR]	02-255
6:[CLR]	03-TCXO-F

Then, transmit output power (CH0799),848.970000MHZ is generated.

In case of generating a frequency shift, adjust the frequency according to the following method.

How to adjust

Generating high shift, → push [*] key (the frequency goes down)
Generating low shift, → push [#] key (the frequency goes up)

*To fix the adjustment, push [FUN] key.

7:[CLR] 04DEMOD

Adjust SG Input to 50dBm CH0384(881.52MHZ).

Deviation-2.9kHz

DeviationFrequency-1kHz

Adjust AF output to 110mA±5mA

8:[CLR] 05PLO

Adjust output to 620mW±10mW

c.f How to adjust

9:[CLR] 06PL3

Adjust output to 250mW±10mW

c.f How to adjust

10:[CLR] 07PL4

Adjust output to 100mW±10mW

c.f How to adjust

11:[CLR] 08PL5

Adjust output to 40mW±0.5mW

c.f How to adjust

12:[CLR] 09PL6

Adjust output 16mW±0.8mW

c.f How to adjust

13:[CLR] 0A PL7

Adjust output 6.0mW±0.6mW

c.f How to adjust

14: [CLR] 0B LIMIT-L(ow)

0B has three channels 0B LIMIT- Low,Middle,High.

And adjust Max Deviation in this channel, to $10.8\text{kHz} \pm 0.5\text{kHz}$.

<Test Condition>

~H/P 8920B~

Input level: 121dBmV

IF Filter: 230KHz

Filter1: 50HZ HPF

Filter2: 15KHZ LPF

Re-Emphasis: OFF

15: [CLR] 0E ST-L(ow)

0E has three channels 0E ST-Low,Middle,High.

In this channel(low), adjust signal tone deviation.

Adjust Max Deviation $8.0 \pm 0.2\text{KHz}$.

<Test Condition>

~H/P 8920B~

External Input: OFF

IF Filter: 230KHz

Filter1: 300HZ HPF

Filter2: 15KH LPF

Re-Emphasis: OFF

16: [CLR] SAT-LOW

In this channel, adjust SAT Deviation less than 2.0KHZ.

<Test Condition>

External Input: OFF

IF Filter: 15 KHz

Filter1: less than 20 HZ HPF

Filter2: 6KBPF

Re-Emphasis: OFF

That is all to adjust for K3852(NSA1000).

The other channels have nothing to do with this function set, so please do not touch them.