

# Tune-up procedure

## ➤ Commissioning Instructions and Specifications

Using the PC programming software or manually adjust the intercom mode debugging can be awakened on the PX-568V/PX-578V, is to write software programming example to illustrate the frequency 138-174MHz debugging method.

Instrument:

A Tester

3A/10V power a

A digital voltmeter

3A ammeter A

First, the adjustment:

1 adjustment of the machine voltage is 7.4V

2 W Frequency: just put on a walkie-talkie, EEPROM no useful information, so you want to write before adjustment frequency

## ➤ emitting portion

Project	Condition	Measure		Adjustment		Specifications / Remarks
		Test Equipment	Terminal	Part	Method	
1. Frequency adjustment	Frequency point, the channel switch is set to the first channel	Tester	ANT		Inspection	0Hz < fL < 250Hz
2. High power adjustment	High power transmitter, the channel switch is set to the first 1/2/3 channel	Tester	ANT		Inspection	4.0-4.5W, I < 1.60A 3.3-4.5KHz
3. Low power adjustment	High power transmitter, the channel switch is set to the first 4/5/6 channel	Tester	MIC Outlet	AF Filter: 15KHz LP		0.5-1.5W I < 1A
4. Maximum modulation limit						

	Frequency point, the channel switch is set to the first four channels, the measured modulation sensitivity $\times 10$ times, the measured maximum modulation frequency deviation				1. 5-2. 5KHz
4. CTCSS	Frequency point, the channel switch is set to the first channel	ANT MIC Outlet	AF Filter: 300Hz LP	0. 5-1KHz	
5. Digital subsonic	Frequency point, the channel switch is set to channel 13, see Tone Size		AF Filter: 300Hz LP	0. 5-1. 0 (KHz)	
6. Distortion	Frequency point, the channel switch is set to the first channel		AF Filter: 15KHz LP	$\leq 5\%$	
	Frequency point, the channel switch is set to channel 4			$\leq 5\%$	
5. DTMF CODE	Frequency point, the channel switch is set to channel 2		Press "5"	$\leq 4. 5K$	
	Frequency point, the channel switch is set to channel 5			$\leq 2. 5K$	
6. Modulation sensitivity	Frequency point, the channel switch is set to the first channel		AF Filter: 15KHz LP FM Deviation : 1.5K (N)	3-8mV	

## ➤ PARTIAL RECEPTION

Project	Condition	Measure		Adjustment		Specifications / Remarks
		Test Equipment	Terminal	Part	Method	
1.Sensitivity	Receiving frequency, the channel switch is set to the first 1/2/3 channel	Tester	ANT Speaker Dock		AFGen1 Freq: 1K AFGen1 To: 1.5K (N) Amplitude : -122dBm	-122dBm, 12dB
	Receiving frequency, the channel switch is set to channel 4					-122dBm, 12dB
2 Audio Voltage	Receiving frequency, the channel switch is set to the first channel		ANT Speaker Dock		Inspection	≥2.7V
3.distortion	Receiving frequency, the channel switch is set to the first channel	Tester	ANT Speaker Dock		Inspection	≤5%
4. Squelch	Receiving frequency, the channel switch is set to the first 1/2/3 channel		ANT Speaker Dock		Section 3 can be closed by adjusting the squelch	Section 3 tone squelch
	Receiving frequency, the channel switch is set to the first 1/2/3 channel				Section 5 can be closed by adjusting the squelch	Section 5 tone squelch