

## Tuning Up Procedure

FCC ID: CCRAL300

<b>AL300 PCB Adjustment &amp; Confirmation Method</b>					
No	Item	Details	Adjustment Point	Settings/Standards	Notes
1	Initial Setting	Set PCB and initial setting	Channel setting is depend on the IR signal from the RX AR300	PCB power switch = ON	
2	Power supply input	Supply power at battery terminal.		3.0V	
3	Consumption Current Confirmation	Consumption current at 1.5V.		60mA	There is no signal input
4	Internal Voltage Confirmation	Ouput voltage of DC-DC Converter.		3.3V	
5	Frequency Adjustment	Adjust each channel to the specified frequency (639.025MHz – 647.000MHz, 25KHz Interval).	VC2	Specified frequency +/-5kHz.	
6	RF Output Level Adjustment	Adjust the output RF level is less than 5mW	VR1	+2.5mW - +9.8mW	
7	Spurious Level Confirmation	Check by spectrum analyzer.		Less than 1uW.	
8	AF Amplifier Adjustment	Adjust the audio input level to ensure deviation and distortion comply with the specification	VR4		
9	Deviation Adjustment	Adjust the deviation less than 40kHz.	VC1, VR3	Less than 40KHz	When input signal rise to input 1kHz THD4%
10	Distortion Ratio Confirmation	Adjust by audio output from receiver.		Less than 2%	1kHz DEV= 20kHz and both of 6.7kHz on the other hand
11	Frequency Response Confirmation	Adjust by audio output from receiver.		+/-3.5dB over 50Hz to 15kHz	Audio generator -50dBv