

Factory Tune-Up Procedure Description

The following is the factory tune-up procedure:

- a. Set the voltage of power supply to 9V
- b. Adjust VC1 to let the transmit frequency match to the TX frequency
- c. Measure the output power of the TX, make sure the power level is 0.02mW.
- d. Adjust VC2 to trim the local oscillate frequency, make sure the center frequency is at $189.316 \pm 5\text{kHz}$

BAI YUN NEW CENTURY ELECTRONICS FACTORY GUANGZHOU										
WM-2000 Transmitter LIST				FILE NUMBER: BM-0540-01				The A version the 1th page		
number	code	name	specification	position		quantity	remarks	change		
1		circuit board	112×25mm	WM-2000A1		1				
2	RT1G151J	resistance	RT-0.0625-150 Ω $\pm 5\%$	R18		1				
3	RT1G102J	resistance	RT-0.0625-10K Ω $\pm 5\%$	R24		1				
4	RT1G103J	resistance	RT-0.0625-15K Ω $\pm 5\%$	R23		1	15K use in green MIC			
5	RT1G153J		RT-0.0625-10K Ω $\pm 5\%$			1	10K use in red MIC			
6	RT1G223J	resistance	RT-0.0625-22K Ω $\pm 5\%$	R22,R26		2				
7	RT1G473J	resistance	RT-0.0625-47K Ω $\pm 5\%$	R27,R20		2				
8	RT1G104J	resistance	RT-0.0625-56K Ω $\pm 5\%$	R1		1				
9	RT1G104J	resistance	RT-0.0625-100K Ω $\pm 5\%$	R21,R25		2				
10	CC505R0K	ceramic C	CC-50-5P $\pm 10\%$	C25		1				
11	CC50100K	ceramic C	CC-50-10P $\pm 10\%$	C10		1				
12	CC50150K	ceramic C	CC-50-15P $\pm 10\%$	C13		1	use in red LED			
13	CC50180K	ceramic C	CC-50-18P $\pm 11\%$	C13		1	use in green LED			
14	CC50180K	ceramic C	CC-50-18P $\pm 10\%$	C16		1				
15	CC50250K	ceramic C	CC-50-25P $\pm 11\%$	C15		1				
16	CC50350K	ceramic C	CC-50-35P $\pm 10\%$	C26		1				
17	CC50330K	ceramic C	CC-50-39P $\pm 11\%$	C9		1				
18	CC50400K	ceramic C	CC-50-40P $\pm 10\%$	C6		1				
19	CC50820K	ceramic C	CC-50-102P $\pm 10\%$	C12,C20		2				
20	CC50101K	ceramic C	CC-50-100P $\pm 10\%$	C30		1				
21	CC50502Z	ceramic C	CC-50-502P $\pm 80\%-20\%$	C21		1				
22	CC50104Z	ceramic C	CC-50-104P $\pm 80\%-20\%$	C4,C14,C19,C22,C23,C29		6				
23		modulate C	V30P	VC1		1	can be instead of 20P,40P			
24	CD10475M	electrolytic C	CD-10-4.7 μ F $\pm 20\%$	C5		1	diameter $\leq \phi 5\text{mm}$			
25	CD10106M	electrolytic C	CD-10-10 μ F $\pm 20\%$	C28,C24,C18		3	diameter $\leq \phi 5\text{mm}$			
26	CD10107M	electrolytic C	CD-10-100 μ F $\pm 20\%$	C17		1				
27		LED	$\phi 3\text{mm}$ (red or green)			1	on NOTE 2			
28		transistor	9014	BG3		1				
29		transistor	9018	BG1,BG2,BG4		3	KEC			
30		IC	78L05	IC2		1				
31	LG24R47M	hue circle inductance	LGA0204-R47M	L9,JP4		2				
32	LG24R2M	hue circle inductance	LGA0204-2R2M	R12		1				
33		hollow yoke	SC-0.6×3×5.5T-AW	L1,C5		2				
34		hollow yoke	SC-0.6×3×9.5T-AW	L6		1				
35		hollow yoke	SC-0.6×4×3.5T-AW	L2,L3		2				
36		hollow yoke	SC-0.6×3×4.5T-AW	L4		1	use in red MIC			
37		hollow yoke	SC-0.6×3×3.5T-AW	L4		1	use in green MIC			
38		MidF transforme	SW1	TF1		1				
39		switch	SS22H02-G6	K2		1				
40		jumper wires	$\Phi 0.5 \times 5\text{mm}$	JP1,JP2		1				
41		jumper wires	$\Phi 0.5 \times 5\text{mm}$	JP3		1				
							producer	<i>李工</i>	2008.8.17	
							examinant	<i>王工</i>	2008.8.17	
change	quantity	number	sign	date	change	quantity	number	sign	date	ratifier

WM-2000 Transmitter LIST										FILE NUMBER BM-0540-01				The A version the 2th page														
number	code	name	specification		position		quantity	remarks		change																		
1		jumper wires	$\Phi 0.5 \times 30\text{mm}$		L5		3																					
2	CL-0010-04	MIC's core	TB mic's core MS-100F				1				As WM-308																	
3		pin pedestal	2.54×2P		CZ1		1																					
4	TX-0540-02	antenna tole					1	diagram																				
5	WJ-0540-01	adorn ring	red or green				1	diagram and NOTE 3																				
6	WJ-0540-02	hue circle					1	diagram																				
7	WJ-0540-05	battery tole					2	diagram																				
8	XL-0540-01	adorn tole					1	diagram																				
9		sponge sheath					1	as WM-388																				
10		tube's module					1 set	on NOTE 1																				
11	WJ-0190-01	net head					1	As WM-98A and paint bottom																				
NOTE 1:																												
12		Mic tube					1																					
13		PCB underlay					1																					
14		MIC pedestal					1	As NC-861																				
15		Switch knob					1																					
16		ON / OFF tole					1																					
17		antenna (inner contact)					1																					
18		tube's tail					1																					
19																												
NOTE 2:																												
115MHz MICROPHONE IN RED, 122MHz MICROPHONE IN GREEN.																												
NOTE 3:																												
115MHz MICROPHONE IN RED, 122MHz MICROPHONE IN GREEN.																												
producer	李建伟 2000.8.17																											
examinant	王伟 2000.8.18																											
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