



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 GUANZHOU										
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-0.0625-150Ω±5%	R18	1					
3	RT1G102J	resistance	RT-0.0625-10KΩ±5%	R24	1					
4	RT1G103J	resistance	RT-0.0625-15KΩ±5%	R23	1	15K use in green MIC				
	RT1G153J		RT-0.0625-10KΩ±5%			10K use in red MIC				
5	RT1G223J	resistance	RT-0.0625-22KΩ±5%	R22,R26	2					
6	RT1G473J	resistance	RT-0.0625-47KΩ±5%	R27,R20	2					
7	RT1G104J	resistance	RT-0.0625-56KΩ±5%	R1	1					
8	RT1G104J	resistance	RT-0.0625-100KΩ±5%	R21,R25	2					
9	RT1G104J	resistance	RT-0.0625-1MΩ±5%	R18	1					
10	CC505R0K	ceramic C	CC-50-5P±10%	C25	1					
11	CC50100K	ceramic C	CC-50-10P±10%	C10	1					
12	CC50150K	ceramic C	CC-50-15P±10%	C13	1	use in red LED				
13	CC50180K	ceramic C	CC-50-18P±11%	C13	1	use in green LED				
14	CC50180K	ceramic C	CC-50-18P±10%	C16	1					
15	CC50250K	ceramic C	CC-50-25P±11%	C15	1					
16	CC50350K	ceramic C	CC-50-35P±10%	C26	1					
17	CC50330K	ceramic C	CC-50-39P±11%	C9	1					
18	CC50400K	ceramic C	CC-50-40P±10%	C6	1					
19	CC50820K	ceramic C	CC-50-102P±10%	C12,C20	2					
20	CC50101K	ceramic C	CC-50-100P±10%	C30	1					
21	CC50502Z	ceramic C	CC-50-502P±80%±20%	C21	1					
22	CC50104Z	ceramic C	CC-50-104P±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-10-4.7μF±20%	C5	1	diameter≤φ5mm				
25	CD10106M	electrolytic C	CD-10-10μF±20%	C28,C24,C18	3	diameter≤φ5mm				
26	CD10107M	electrolytic C	CD-10-100μF±20%	C17	1					
27		LED	φ3mm(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	Φ0.5×5mm	JP1,JP2	1					
41		jumper wires	Φ0.5×5mm	JP3	1					
					producer	李江	2008.11			
					examinant	王江	2008.11			
					ratifier					
change	quantity	number	sign	date	change	quantity	number	sign	date	

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