

	Issue Date	Model	Process	DOC ver.	Standard adjustment	Page	Engineer	Checked	Approved
	05,Mar,2014	EVOLUTION	TX1	V1.0		3 of 8	D.C PARK	N.H MO	

1 Connection Antenna jack

Insert 3.5PI plug of PA speaker

Press hold MENU and power on

Country setting d4 (for Germany) and press hold to 2 seconds for save

RF-METER

2 Frequency adjust

27.065	MIN	STD	MAX
RX, 09CH	27.0649	27.065	27.0651
Adjust point is TM1			

3 RF POWER (Power 4watt)

RF output power tuning by VR4 after T1, L1 adjust for maximum RF power adjust.

CH / F,Q	FM			AM		
	MIN	STD	MAX	MIN	STD	MAX
41CH / 26.515	3.7	3.8	3.9			
1CH / 26.965	3.7	3.8	3.9	3.7	3.8	3.9
40CH / 27.405	3.7	3.8	3.9	3.7	3.8	3.9

5 FM Deviation and AM modulation adjust

Modulation input signal: 1250Hz, 65mV, must be set maximum of Mike gain

27.405	MIN	STD	MAX	Adj.
40CH				
FM	1.65KHz	1.73KHz	1.77KHz	VR2
AM	75%	78%	79%	VR3

4 Regulation voltage check for 24V

PTT On, check voltage at R87 (STD 15V to 16V)

6 RF-METER adjust

FM 40channel, TX ON, adjust point is 4 by VR1

7 AWI adjust

Without ANT, TX On, The adjust point is AWI LED on and off middle point by VR9

5 PA check

Select PA position, Mike gain maximum position and TX modulation input
Check External PA sound and peak Audio output (STD 3.5V)



Equipment
DC power supply : 24V
Oscilloscope
CMT
DC cable



RF-METER
IN TX mode

