

	Issue Date	Model	Process	DOC ver.	Standard adjustment	Page	Engineer	Checked	Approved
	05,Mar,2014	EVOLUTION	RX1	V1.0		5 of 8	D.C PARK	N.H MO	

- Power On
- Connection measurement cable to antenna jack
- Insert plug to external speaker jack at rear side.
- Set ; Volume/RF gain max, SQ volume mini, Filter switch Out, CH20=27.205MHz
- AM, -47dBm and adjust to minimum for AM distortion by T9
- AM,-118dBm, adjust T8,T7,T6,T5 to maiximum audio output.

AM Sen.	MIN	STD	MAX	Adj.
	-116dBm	-118dBm	—	T9

- Change FM, and adjust T7,T8,T6,T5,T9 to max sensitivity

FM Sen.	MIN	STD	MAX	Adj.
	-118dBm	-120dBm	—	T7,T8,T6,T5,T9

- Check RF GAIN function to 35dB variable sensitivity by RF gain volume

- Adjust by VR5 to ASQ sensitivity at ASQ ON

ASQ	MIN	STD	MAX	Adj.
	-124dBm	-121dBm	-118dBm	VR5

- Check Auido output level for Filter on/off function at 400Hz, STD is -6dB

- Check Audio output level and distortion at FM,20CH,-47dBm, maximum volume

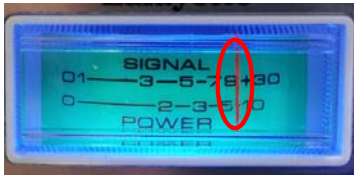
Output	MIN	STD	MAX
	5.0V	5.2V	-
Distoriton	MIN	STD	MAX
	.-	3%	8%

- Adjust by VR7 to Tight SQ at FM,20CH,-47dBm, maximum squelch volume

SQ_Tight	MIN	STD	MAX	Adj.
	-53dBm	-47dBm	-41dBm	VR7

- Adjust by VR6 to signal meter at FM,20CH,-67dBm

S5	MIN	STD	MAX
	-73dBm	-67dBm	-60dBm



Equipment
 DC power supply : 13.8V
 Osilloscope
 CMT
 Antenna cable
 DC cable
 8 ohm Dummy RX jig

