

ADJUSTMENT INSTRUCTION

FUNCTION	CONNECTS & SETTING	EQUIPMENTS	ADJUSTMENTS & MEASUREMENTS
TX FREQUENCY	CH40, MOD OFF	OSCILLOSCOPE	ADJUST VC1. MEASUREMENT 27.405
		FREQ. COUNTER	$\pm 100\text{HZ}$
		MODULATION METER	
TX ALIGNMENT	CH19, MOD OFF	OSCILLOSCOPE	ADJUST L24~L14 TO POWER MAX.
		FREQ. COUNTER	ADJUST VC1. MEASUREMENT 27.185
		MODULATION METER	$\pm 100\text{HZ}$. ADJUST L24~L18. BALANCE
			POWER BETWEEN CH1 & CH40.
TX POWER	TX CH1~CH40.	OSCILLOSCOPE	MOD OFF. ADJUST L13 MEASUREMENT
	SET S/Rf/CAL/SWR TO	FREQ. COUNTER	4W $\pm 0.5\text{W}$. (26.965-27.405MHZ). ADJUST
	S/Rf	MODULATION METER	VR5 RF POWER METER NEEDLE UNTIL
			IT IS IN BETWEEN THE GREEN & RED BAR
			ON PWR SCALE.
			AF SIGNAL 30mV. 1KHZ TO MICROPHONE.
			ADJUST VR4 MEASUREMENT 90%~100%.
			DISTORTION < 7%.
PA FUNCTION	SET PA/CB TO PA	EXP SP	
		PA EXP	AF SIGNAL 1KHZ. 30mV. PA OUTPUT > 5V.
	CH9. MOD OFF		UNPLUG THE ANT. ADJUST
ANT LED	SET TO SWR		ADJUST VR6 UNTIL ANT LED LIGHTED.
			SWITCH SWR TO CAL. THE METER
			INDICATION TO ▼ PLUG 100ohm LOAD
			RESISTOR & THE METER INDICATION
			MUST BE AT SWR.
TESTING	26.965~27.405MHZ	OSCILLOSCOPE	TX POWER : 4 $\pm 0.5\text{W}$.
		FREQ. COUNTER	AM MODULATION : 90% $\pm 10\%$.
		MODULATION METER	