

LCD ASS'Y

LCD 1

LC7582

LC7582

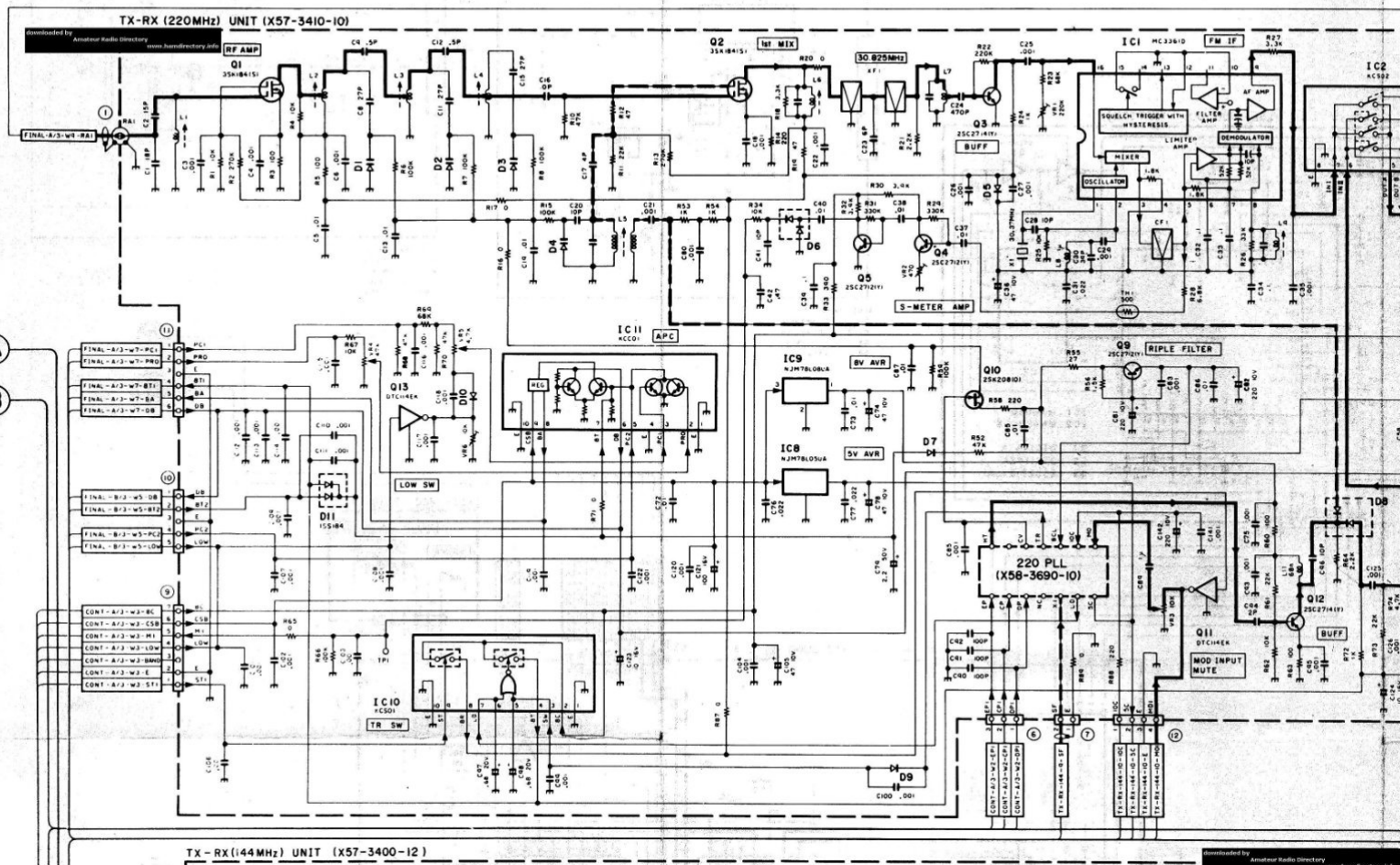
CONTROL UNIT (X53-3250-12) (B/3)

WIRING D S105

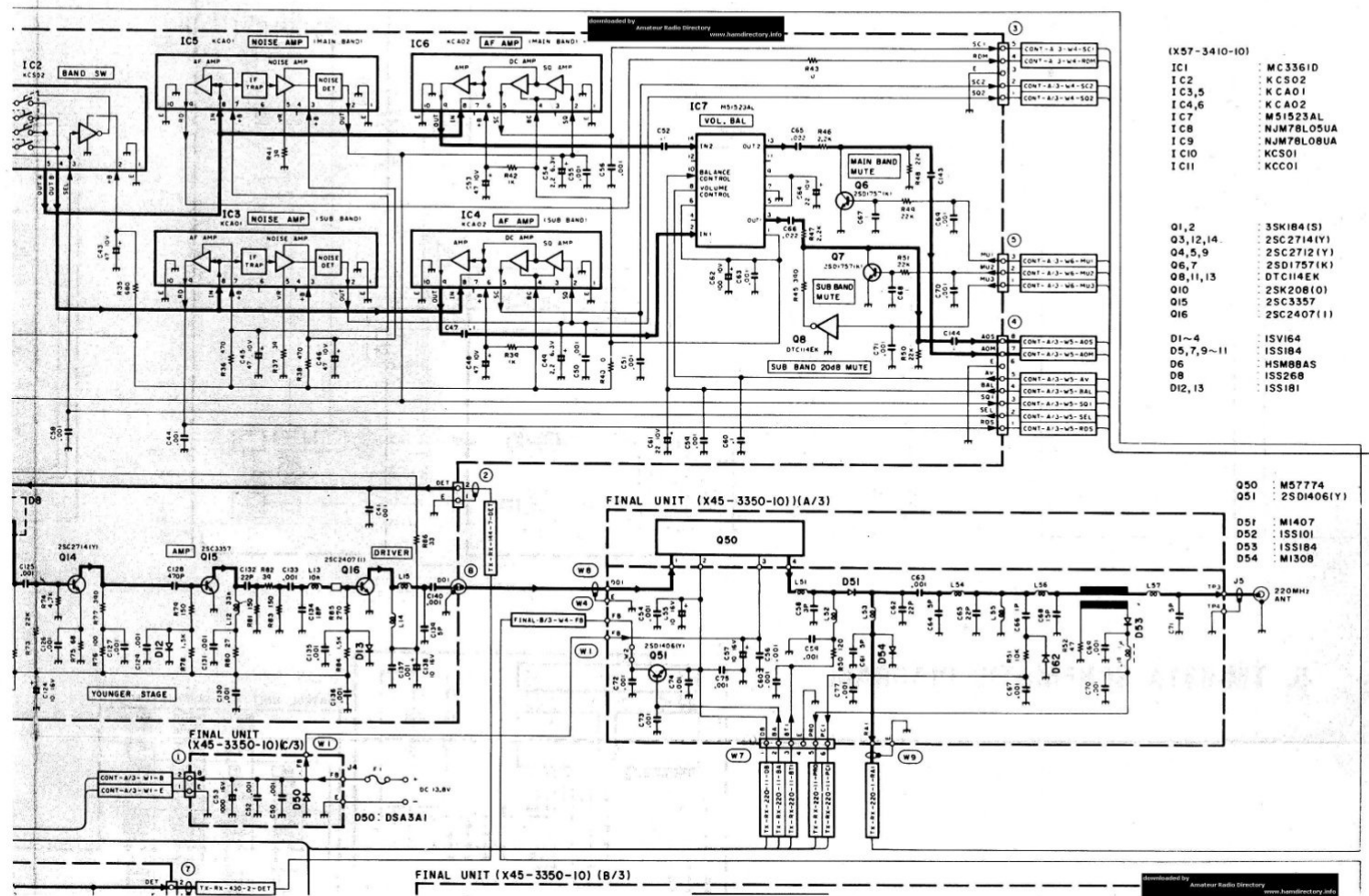
WIRING U S104

CALL S101

TM631A ①



TM631A ②



2. SPECIFICATIONS AND ACCESSORIES

2-1. SPECIFICATIONS

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Specifications			Model	TM-731A		TM-731E	TM-631A
			U.S.A. version	Other markets version			
General	Current drain	Frequency range	144 to 148 MHz 438 to 450 MHz	144 to 148 MHz 430 to 440 MHz	144 to 146 MHz 430 to 440 MHz	144 to 148 MHz 220 to 225 MHz	
		Mode	F3E (FM)				
		Antenna impedance	50 ohms				
		Power requirements	13.8 VDC $\pm$ 15%				
		Ground	Negative				
		Transmit mode	Less than 11 A				
		Receive mode with no signal	Less than 0.6 A				
		Operating temperature	- 20°C to + 60°C (- 4°F to + 140°F)				
		Dimensions (W×H×D) (Projections included)	150×50×219 mm (5.9"×2"×8.6")				
Weight		1.8 kg (3.97 lbs)					
Transmitter	Output power*	HI	144 MHz: 50 W, 220 MHz: 25 W, 430/440 MHz: 35 W				
		LOW	5 W				
	Modulation		Reactance modulation				
	Spurious radiation		Less than - 60 dB				
	Maximum frequency deviation		$\pm$ 5 kHz				
	Audio distortion (at 60% modulation)		Less than 3% (300 to 3000 Hz)				
	Microphone impedance		500 to 600 ohms				
Receiver	Circuitry		Double conversion superheterodyne				
	Intermediate frequency	U.S.A. version	144 MHz: 16.9 MHz/455 kHz, 220 MHz: 30.825 MHz/455 kHz, 440 MHz: 21.6 MHz/455 kHz				
		Other market	144 MHz: 10.7 MHz/455 kHz, 430 MHz: 30.825MHz/455 kHz				
	Sensitivity(12 dB SINAD)		144 MHz: Less than 0.2 μ V, 220 MHz: Less than 0.18 μ V, 430/440 MHz: Less than 0.16 μ V				
	Selectivity		- 6 dB: More than 12 kHz, - 60 dB: Less than 24 kHz				
	Spurious response		Better than 60 dB				
	Squelch sensitivity		Less than 0.09 μ V				
	Output		More than 2 W across 8 ohms load (5% distortion)				
	External speaker impedance		8 ohms				

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Notes:

1. Circuit and ratings are subject to change without notice due to advancement in technology.
2. *Recommended duty cycle:
1 minute Transmission, 3 minutes Reception