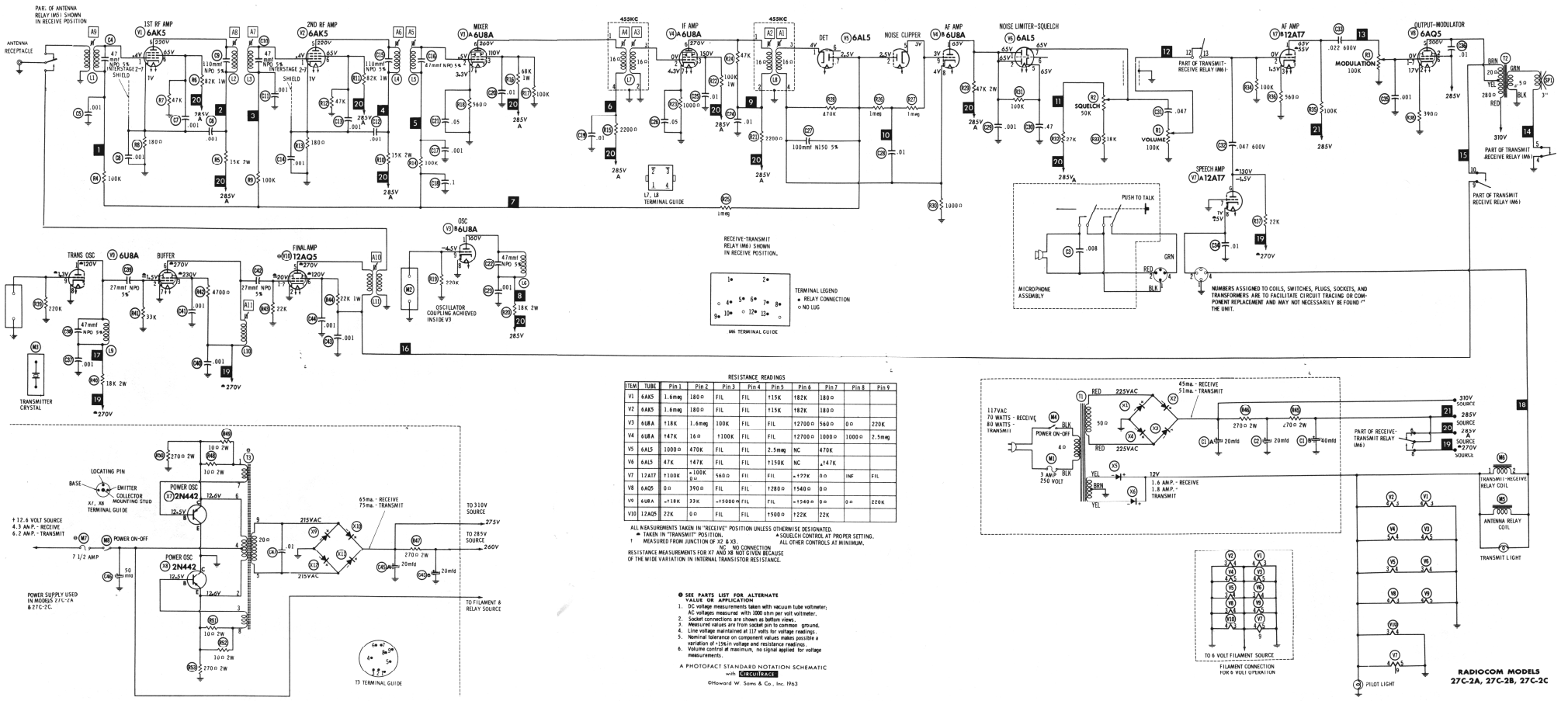

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6AK5	1.6meg	180Ω	FIL	FIL	†15K	†82K	180Ω		
V2	6AK5	1.6meg	180Ω	FIL	FIL	†15K	†82K	180Ω		
V3	6U8A	†18K	1.6meg	100K	FIL	FIL	†2700Ω	560Ω	0Ω	220K
V4	6U8A	†47K	16Ω	†100K	FIL	FIL	†2700Ω	1000Ω	1000Ω	2.5meg
V5	6AL5	1000Ω	470K	FIL	FIL	2.5meg	NC	470K		
V6	6AL5	47K	†47K	FIL	FIL	†150K	NC	▲†47K		
V7	12AT7	†100K	▲100K 0Ω	560Ω	FIL	FIL	▲†22K	0Ω	INF	FIL
V8	6AQ5	0Ω	390Ω	FIL	FIL	†280Ω	†540Ω	0Ω		
V9	6U8A	▲†18K	33K	▲†1000Ω	FIL	FIL	▲†540Ω	0Ω	0Ω	220K
V10	12AQ5	22K	0Ω	FIL	FIL	150Ω	†22K	22K		

ALL MEASUREMENTS TAKEN IN "RECEIVE" POSITION UNLESS OTHERWISE DESIGNATED.
▲ TAKEN IN "TRANSMIT" POSITION. ▲ SQUELCH CONTROL AT PROPER SETTING.
† MEASURED FROM JUNCTION OF X2 & X3. ALL OTHER CONTROLS AT MINIMUM.
NC NO CONNECTION
RESISTANCE MEASUREMENTS FOR X7 AND X8 NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.

● SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common ground.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of ±5% in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFACT STANDARD NOTATION SCHEMATIC with SCHEMATRACE

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RADIOCOM MODELS 27C-2A, 27C-2B, 27C-2C