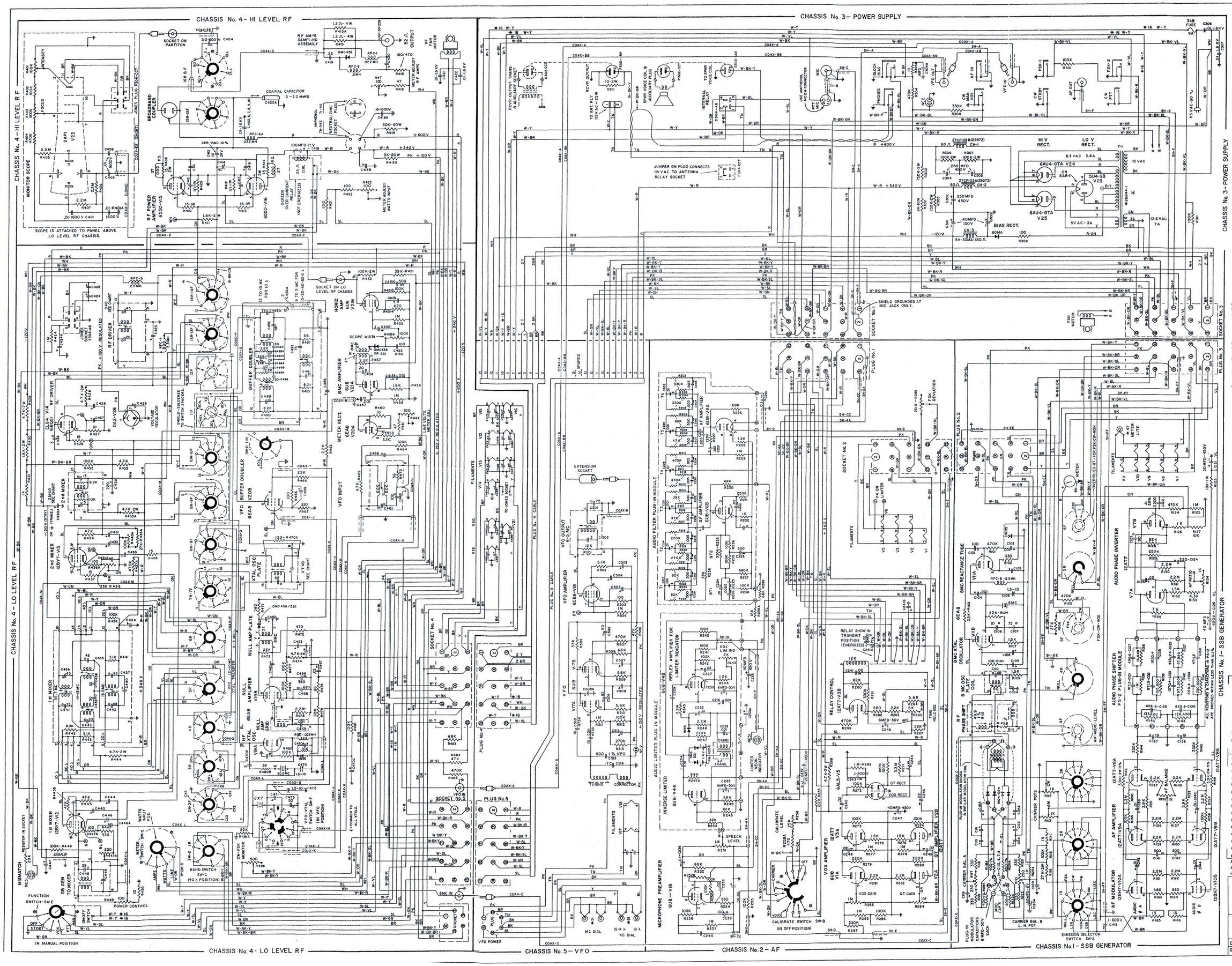


RESISTORS ARE 1/2 WATT 10% EXCEPT AS OTHERWISE SPECIFIED

K = X 1,000 M = X 1,000,000

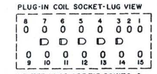
CAPACITOR VALUES SHOWN DECIMALLY ARE MICROFARADS, OTHERS ARE MICROMICROFARADS EXCEPT AS OTHERWISE SPECIFIED

▸	.005 ± 20%	CERAMIC CAPACITOR
▸	10% JF OR JL	" "
▸	20% SM	" "
▸	NPO	" "
▸	+80% −20%	" "
▸	" " TA	" "
▸	" " 50V	" "
▸	20% Z5U	" "
▸	SILVER MICA	" "
▸	MYLAR	" "
▸	LETTERED LUG	
▸	TIE POINT LUG	
⊙	TEST POINT (COLOR CODED)	
SH ▸	SHIELDED AUDIO CABLE	
○ ▸	MOUNTED ON RESISTOR BOARD (SEE MANUAL.)	

ALL SWITCHES ARE SHOWN AS SEEN FROM REAR. THE NUMBERS DENOTE WAFER POSITION. No. 1 IS NEXT TO PANEL. THE LETTERS R&F DENOTE REAR & FRONT SECTIONS OF WAFERS, RESPECTIVELY. THE FRONT SECTION CONTACTS ARE SHOWN BY DASHED LINES & ARE AS VIEWED THRU THE WAFER FROM REAR. THE BLACKED ROTORS ARE ON REAR SECTION. SOME WAFERS HAVE LUGS (WITHOUT CONTACTS) WHICH ARE USED AS TIE POINTS.

THE THREE PLUG-IN COIL UNITS, 2ND MIXER, RF DRIVER & XTAL OSC PLATE SHOW THE CIRCUIT USED ON THE 40 METER BAND. REFER TO CHART (IN INSTRUCTION MANUAL) FOR OTHER BANDS. EACH OF THE ABOVE PLUG-IN COIL UNITS CONTAINS SIX COILS, WHEN AN "X" BAND COIL IS INCLUDED.

PLUG-IN COIL SOCKET-LUG VIEW



CENTER LUGS ARE TIE POINTS & HAVE NO INTERNAL CONNECTIONS.

NUMBERED ARROWS AROUND THE GANGED BANDSWITCH DESIGNATE WHERE WIRE CONNECTIONS GO TO A PLUG-IN-COIL GROUP ASSOCIATED WITH THE PARTICULAR SWITCH FUNCTION.

LAST R AND C NUMBERS

R166	R287	R311	R490 R513
C145	C249	C307	C499 C514

S & F = START & FINISH, RESPECTIVELY, OF COIL WINDING.

2T = 2 TURNS

✳ DC RESISTANCE OF P.T. SECONDARY HI VOLTAGE WINDING.
21 Ω BETWEEN R-Y & BL
5 Ω " R-Y & R-GN
42 Ω " R-Y & R

R 486	REMOVED
C 218	ADDED
C 429	WAS 5 MMFD
C 419	WAS .005
C 481 / C 482	WAS EACH 68K
R 228	WAS 2.2K
R 243	WAS 1K
R 254	WAS 1.5K
REV. 10-6-60	CHKD ← APPRD GEM
R 433 A	WAS 1K
R 426 "	1.8K
R 436 "	220 Ω
R 447 B	ADDED 250 Ω RHEO
R 445 B	" 47K
R 440 A	" 100K POT
R 435 A	" 27K
R 470 A	" 120 Ω
R 239 A	" 18K
R 127	WAS 8.2K
R 133	" 4.7K
C 458 A	ADDED
C 470 B	WAS 4 MMFD
C 433	" .005
REV. 7-21-61	CHKD ← APPVD GEM
REV. 4-28-60	CHKD ← APPVD GEM
REV. 12-7-59	CHKD GEM APPVD GEM
REV. 11-6-59	CHKD APPVD GEM

SCHEMATIC & WIRING DIAGRAM
RADIO TRANSMITTER
MODEL 100V

CENTRAL ELECTRONICS
CHICAGO

DRG No. WZ201		7-17-59	
DRN A.W.	CHKD RB	APPVD GEM	