

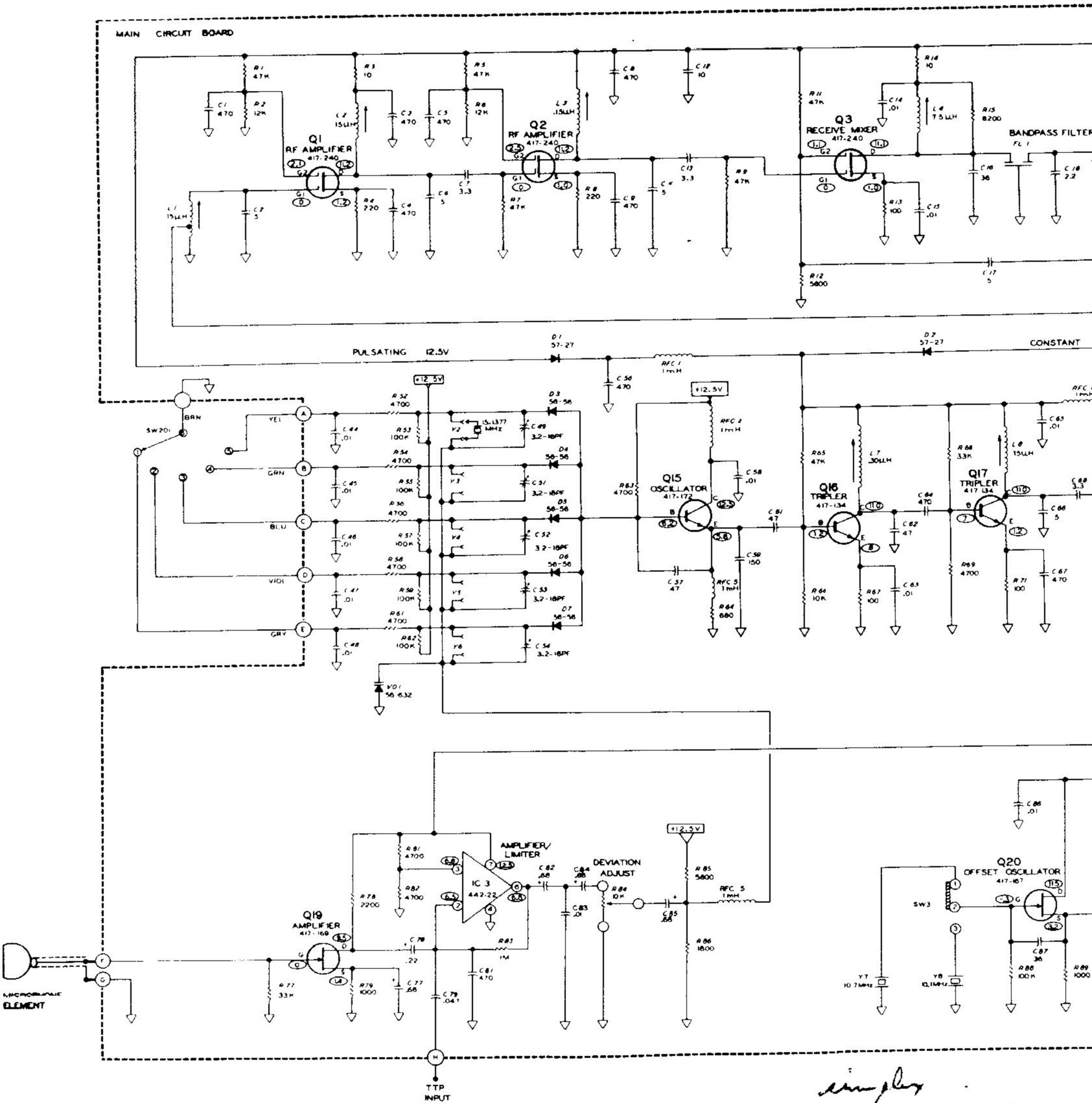
SCHEMATIC OF THE HEATHKIT[®] 2-METER HAND-HELD TRANSCEIVER MODEL HW-2021

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amplifier - 100K_c

TABLE 1					TABLE 2				
SQUELCH CONTROL FULLY CLOCKWISE. NO INPUT SIGNAL					SQUELCH CONTROL FULLY COUNTERCLOCKWISE. NO INPUT SIGNAL				
Q5	E	B	C	Q5	E	B	C		
Q5	.4	1.7	.55	Q5	.5	0	7.0		
Q6	.6	1.7	8.0	Q6	.6	.6	.8		
Q7	.6	1.3	8.0	Q7	.6	.3	5.0		
Q8	0	.7	.1	Q8	0	.3	12.5		
Q9	0	.5	3.6	Q9	0	.7	.1		
Q10	0	.7	.1	Q10	0	.1	1.4		
Q11	-	6.0	-	Q14	12.5	12.5	11.8		

- NOTES:
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
1-199 PARTS ON THE MAIN CIRCUIT BOARD
201-299 PARTS IN THE CASE
301-399 PARTS IN THE BATTERY CHARGER.
401-499 PARTS ON THE RF DETECTOR.
 - ALL RESISTORS ARE 1/4 WATT, 5% TOLERANCE, UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS, K=1000, M=1,000,000.
 - CAPACITORS EQUAL TO OR LESS THAN .1 ARE IN nF (PICOFARADS); ALL OTHER CAPACITORS ARE IN pF (MICROFARADS) UNLESS OTHERWISE MARKED.
 - INDUCTORS ARE SHOWN IN MH (MILLIHENRIES) AND μH (MICROHENRIES).
 - THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND UNDER THE FOLLOWING CONDITIONS:
1. NO INPUT SIGNAL.
2. SQUELCH CONTROL FULLY COUNTERCLOCKWISE.
3. VOLUME CONTROL FULLY COUNTERCLOCKWISE.
4. LOWEST FREQUENCY OSCILLATOR (CP+541) SET TO 1.5 MHz.
5. TRANSMITTER VOLTAGES: KEPT WITH THE MODE ADJUST.
 - THIS SYMBOL INDICATES CHASSIS GROUND.
 - THIS SYMBOL INDICATES A SOLDERED CONNECTION TO THE MAIN CIRCUIT BOARD.
 - SEE TABLES 1 AND 2 FOR VOLTAGES.
 - THIS SYMBOL DENOTES A CHOICE AS CALLED BY THE KIT BUILDER.
 - REFER TO THE "CIRCUIT BOARD" PAGE 2 OF THIS MANUAL FOR THE PART LOCATION OF PARTS.
 - TP INDICATES TEST POINT.
 - INDICATES TEST POINT USED ONLY WHEN ALIGNMENT IS PERFORMED WITHOUT INSTRUMENTS.



simplex
-LOCK.

