

FIG. 5-2 RECOMMENDED TEST INSTRUMENTS

<u>TEST INSTRUMENT</u>	<u>REQUIRED SPECIFICATIONS</u>	<u>USE</u>	<u>RECOMMENDED INSTRUMENT TYPE</u>
R.F. Signal Generator	Output frequency: 26.965 to 27.255 MHz. Output level calibrated from .1 microvolts to 500,000 microvolts. Internal modulation capability of 30% minimum at 1 KHz. (Calibrated)	Receiver service and alignment.	Hewlett-Packard Model 606A or B. Wavetek Model 3000.
Oscilloscope	Vertical bandwidth of 25 MHz or greater at 3db point. Triggered sweep capability.	Transmitter and receiver test and alignment.	Tektronics Model T932. Tektronics Model 465. Hewlett-Packard Model 180. Phillips Model PM3260E.
Frequency Counter	Frequency range DC to 30 MHz. Sensitivity: 10mv R.M.S. at 30 MHz. Overall timebase accuracy $\pm .002\%$ , 6 digit resolution.	Transmitter frequency check and synthesizer troubleshooting.	Heath-Schlumberger Model SM128A
Wattmeter	5 watts full scale into 50 ohm load $\pm 5\%$ accuracy.	Measure power output and S.W.R.	Bird Model 43 with type 5A element. (May be terminated with antenna load)
AC VTVM	-40 to +20db range.	Measure audio output.	Heath Model IM-21.
Audio Oscillator	400 Hz to 4000 Hz output: Adjustable level, 0-1 volt output impedance 600 ohm.	Audio and modulator tests.	Hewlett-Packard Model 204C. Heath Model SG18A.
DC Power Supply	13.8 volt DC $\pm 10\%$ at 2 amperes.	Primary supply voltage for servicing.	Heath Model SP2720 (SBE Model SBE-1AC may be used if available.)

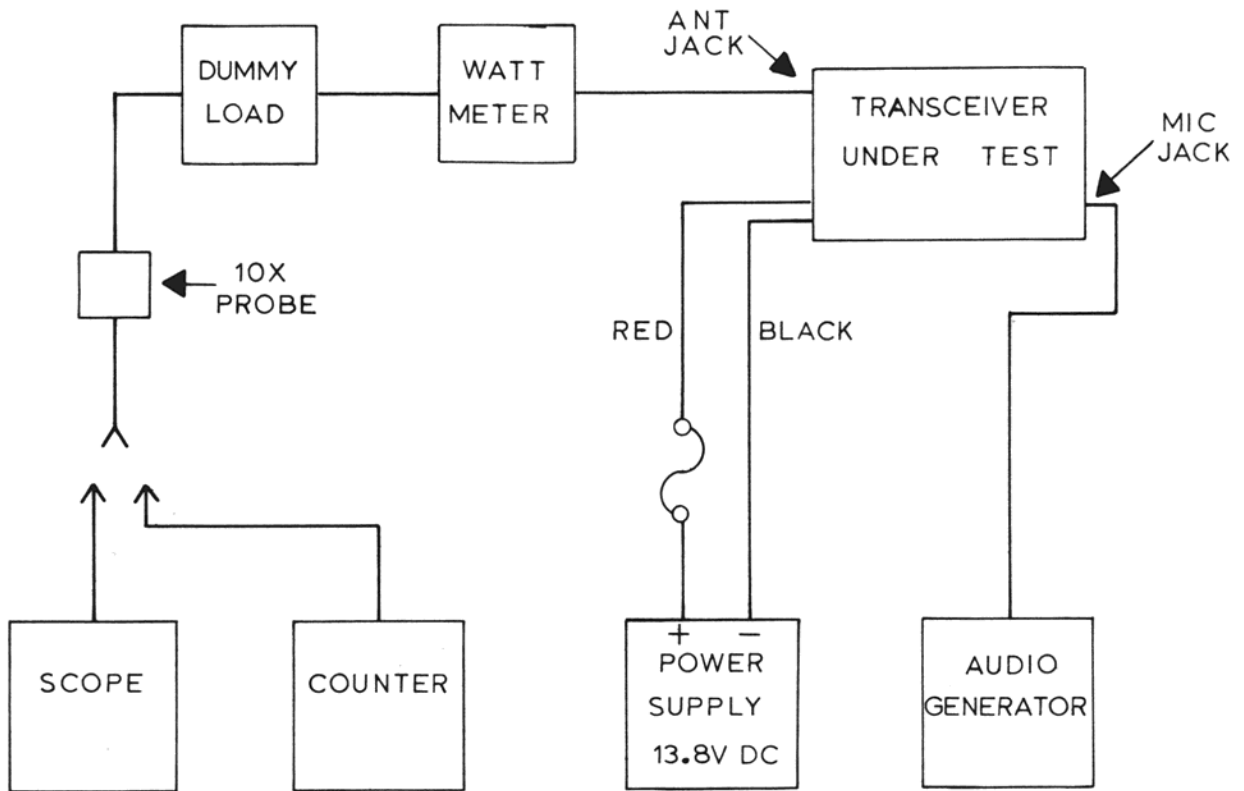
TABLE 5-3 SBE-21CB SYNTHESIZER MIXING SCHEME

CH.	CH. FREQ.	MASTER OSC. XTAL FREQ.	TX OSC. XTAL FREQ.	RX OSC. XTAL FREQ.
1	26.965	X5 = 16.965	X11 = 10,000	X1 = 9.545
2	26.975		X12 = 10,010	X2 = 9.555
3	26.985		X13 = 10,020	X3 = 9.565
4	27.005		X14 = 10,040	X4 = 9.585
5	27.015	X6 = 17.015	X11	X1
6	27.025		X12	X2
7	27.035		X13	X3
8	27.055		X14	X4
9	27.065	X7 = 17.065	X11	X1
10	27.075		X12	X2
11	27.085		X13	X3
12	27.105		X14	X4
13	27.115	X8 = 17.115	X11	X1
14	27.125		X12	X2
15	27.135		X13	X3
16	27.155		X14	X4
17	27.165	X9 = 17.165	X11	X1
18	27.175		X12	X2
19	27.185		X13	X3
20	27.205		X14	X4
21	27.215	X10 = 17.215	X11	X1
22	27.225		X12	X2
23	27.255		X14	X4

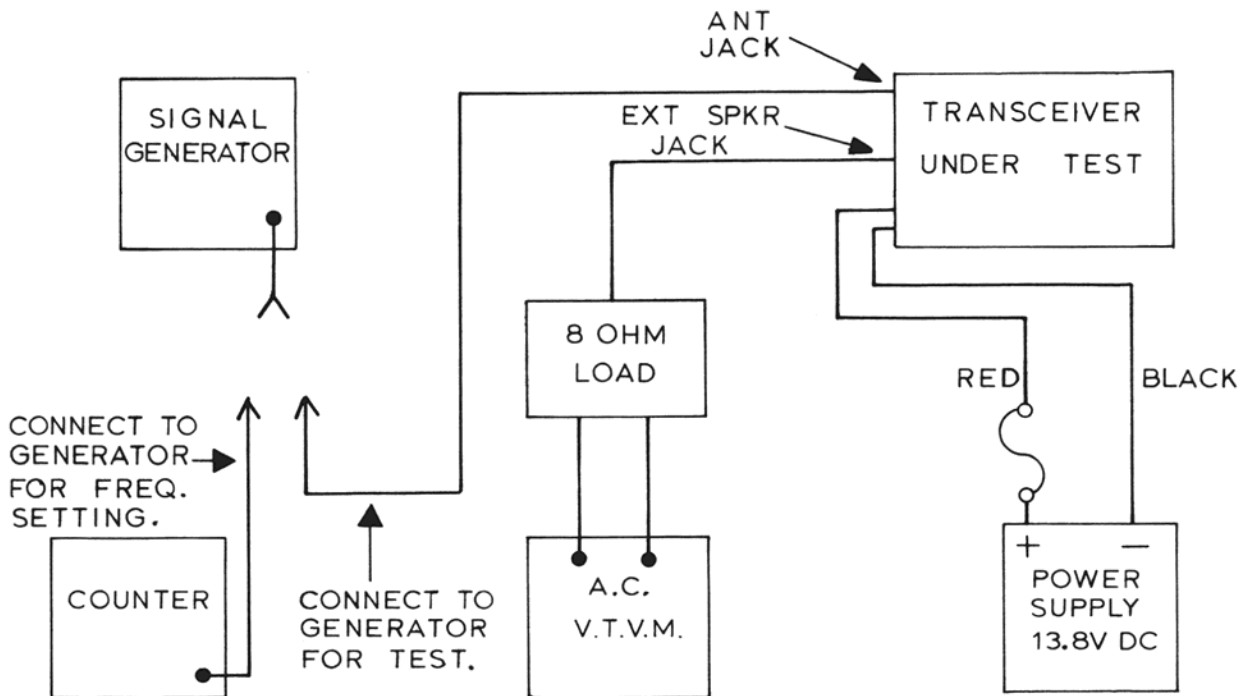
RECEIVE:

$$(\text{CH FREQ}) - (\text{M.O. FREQ}) - (\text{RX OSC FREQ}) = 455 \text{ KHz}$$

**FIG. 5-4 TRANSMITTER TEST CONNECTION**



**FIG. 5-5 RECEIVER TEST CONNECTION**



**FIG. 5-6 RECEIVER ALIGNMENT PROCEDURE**

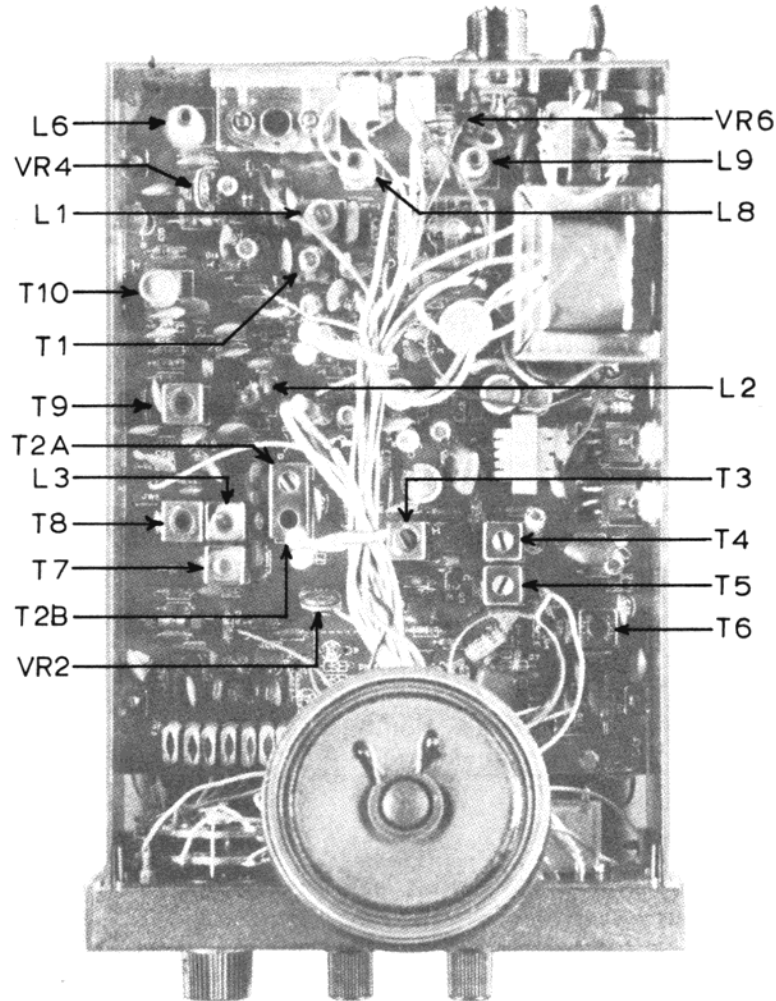
<b>INITIAL SET-UP</b>	
<p>Connect an AC VTVM across the speaker or 8Ω load plugged into J3 EXT SP. Connect the RF signal generator to the antenna jack, set to 27.085 MHz 30% - 1 KHz modulation. Set the Channel Select SW to channel 11. Turn the squelch control full counterclockwise and the volume control full clockwise.</p>	
<b>STEP 1</b>	
<p>Adjust the RF output level of the signal generator to a level sufficient to produce about 2 VAC on the AC VTVM. Adjust T1, L2, L3, T2, T3, T4, T5 and T6 for maximum indications on the AC VTVM. If at any time during the alignment procedure the audio level increases to more than 4 VAC, reduce the generator output level. Repeat adjustment until 0.7 μV RF signal produces about 2 VAC on the AC VTVM.</p>	
<b>STEP 2</b>	
<p>Turn squelch control full clockwise. Increase the RF signal to 300μV. Squelch should break. If squelch fails to break, adjust VR2 to break squelch.</p>	
<b>STEP 3</b>	
<p>Turn squelch control full counterclockwise. Set RF signal generator to 10 MHz. Adjust 10 MHz trap L1 for minimum indication on the AC VTVM.</p>	
<b>STEP 4</b>	
<p>Set RF signal generator to 100 μV at 27.085 MHz. Adjust VR5 to make the S METER indicate 9.</p>	

**TABLE 5-7 AGC VOLTAGES versus RF INPUT LEVEL**

INPUT LEVEL (1)	AGC VOLTAGES (2)
1μV	+1.3
10μV	+0.86
100μV	+0.70
1000μV	+0.63
10,000μV	+0.58

- (1) Channel Frequency at Antenna Jack.  
 (2) Measured with 10MΩ input at junction R23 and C34.

**FIG. 5-8 ALIGNMENT LAYOUT**



**TABLE 5-9 RECEIVER INJECTION VOLTAGES**

All injection voltages are at 30% - 1 KHz modulation at the specified frequency fed through a .01 MFD capacitor, and should produce at least 2 VAC audio output measured across the speaker or across an 8Ω load connected at EXT XP J2. Volume control is turned full clockwise, squelch control full counter-clockwise, and ANL switch off. Typical audio output voltages are given.

INJECTION POINT	AC VOLTAGE AT SPKR	INJECTION LEVEL	FREQUENCY
Antenna	6.2V	1μV	27.085 MHz
Q1 Emitter-CP1*	6.0V	1μV	27.085 MHz
Q2 Gate-CP2	3.6V	10μV	10.02 MHz
TP-2 - CP3	3.4V	10μV	455 KHz
Q3 Base-CP4	2.6V	10μV	455 KHz
Q4 Base-CP5	5.4V	1000μV	455 KHz

\* CP numbers correspond to numbers in boxes on schematic diagram and component location drawing.

**FIG. 5-10 TRANSMITTER ALIGNMENT PROCEDURE**

**INITIAL SET-UP**

Connect the transceiver to a 13.8 VDC supply. Connect an audio oscillator to the MIC input, a wattmeter and dummy load to the antenna jack, an oscilloscope to the dummy load, and set the channel selector to channel 11. (See Figure 5-4)

**STEP 1**

With no modulation, key the transmitter and adjust T7, T8, T9, T10 and L6 for maximum wattmeter indication.

**STEP 2**

Alternately, switch channel selector to channel 1 and 23. Adjust T7 and T28 for least change in wattmeter indication.

**STEP 3**

Adjust L8 and L9 for maximum wattmeter indication not to exceed 4 watts.

**STEP 4**

Set the audio oscillator to 1 KHz. Adjust output level for about 80% modulation. While observing scope, adjust L8 and L9 for best modulation symmetry.

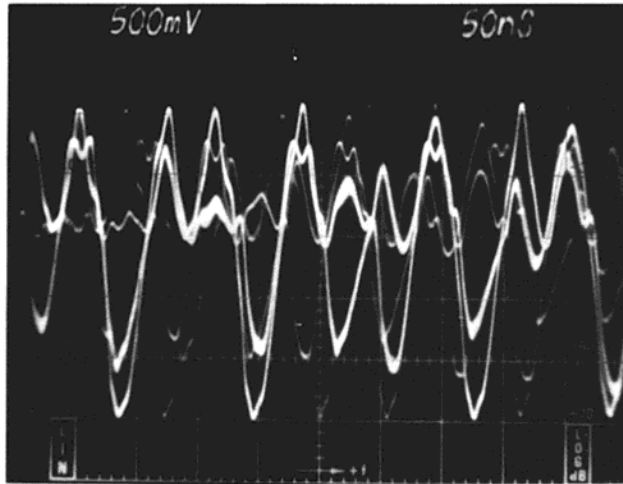
**STEP 5**

Adjust the audio oscillator's level for 50% modulation. Read level on AC VTVM and increase level until the AC VTVM reads 8 times as great (about 18db). Adjust VR4 for 100% modulation.

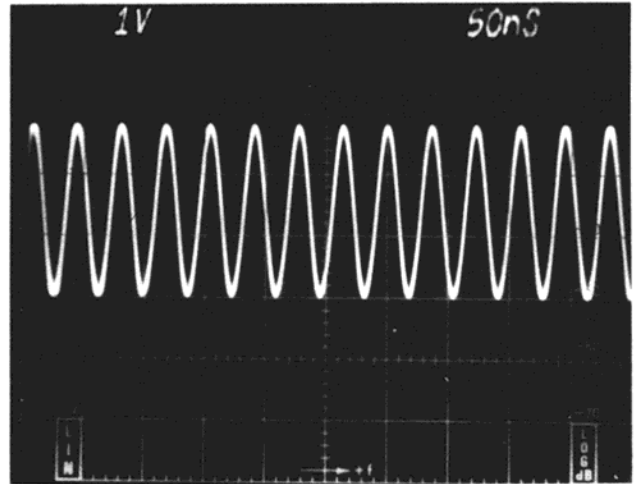
**STEP 6**

Remove audio oscillator. Adjust VR6 until RFO METER reads the same as wattmeter.

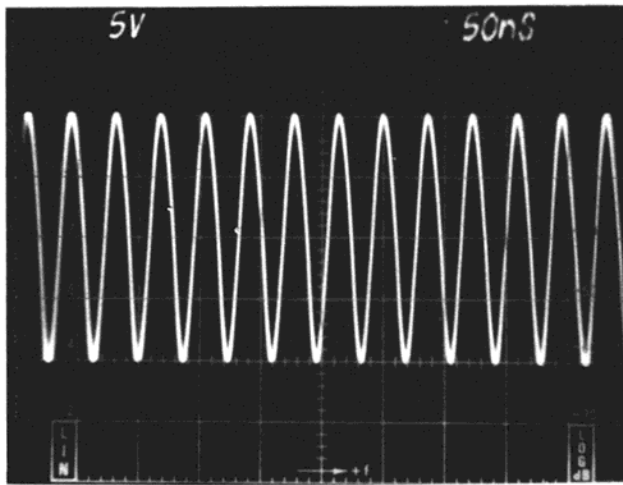
FIG. 5-11 TRANSMITTER ALIGNMENT WAVEFORMS



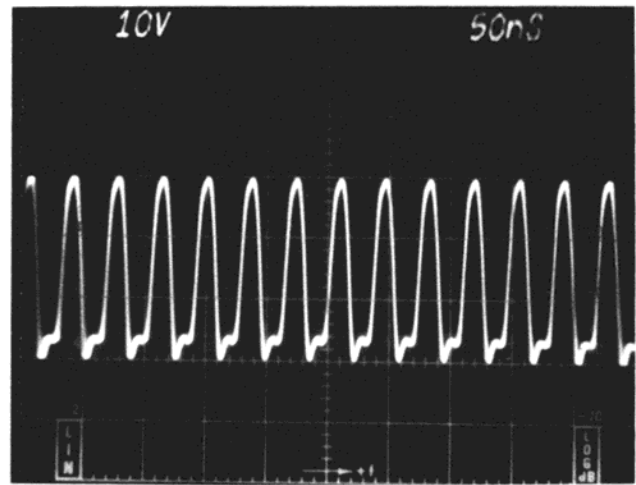
(a) D16.ANODE-TX MIXER 6\*



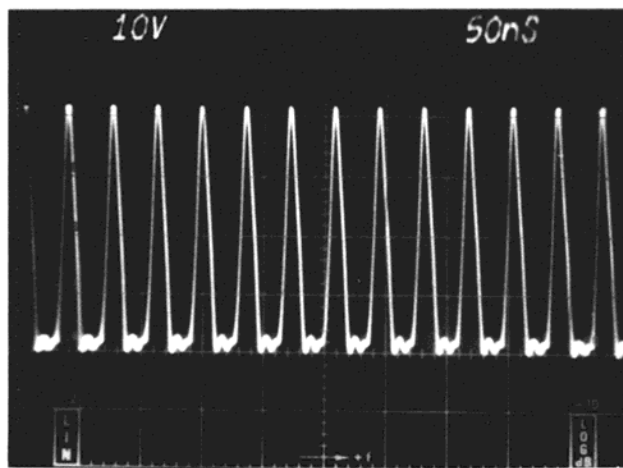
(b) Q11 COLLECTOR-TX BUFFER 7



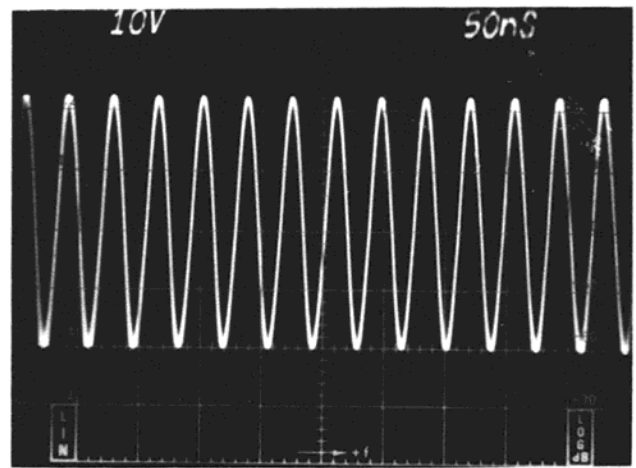
(c) Q12 COLLECTOR-TX AMP 8



(d) Q13 COLLECTOR-TX DRIVER 9



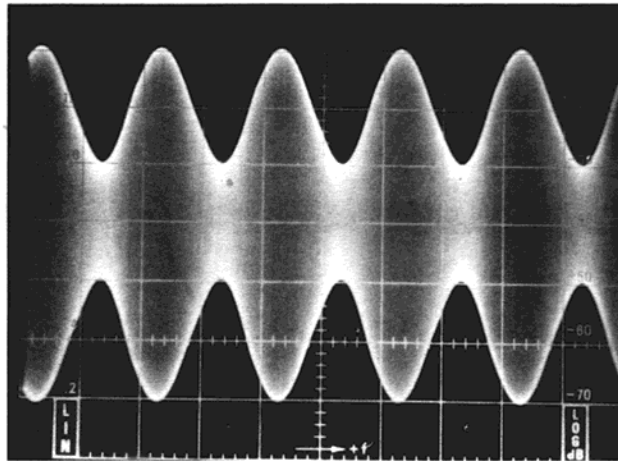
(e) Q14 COLLECTOR-TX FINAL 10



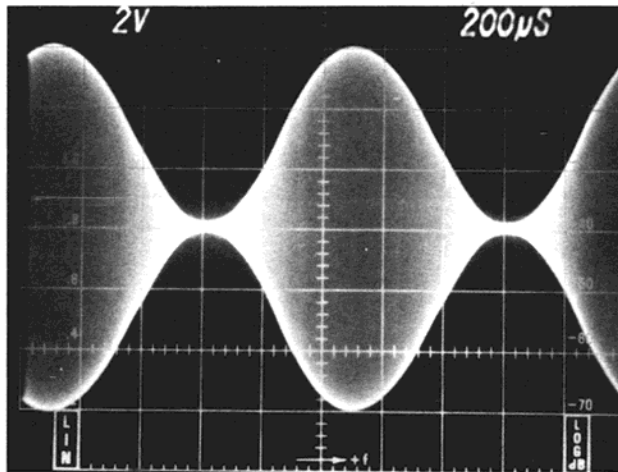
(f) ANTENNA JACK

\* Numbers in corner of pictures correspond to numbers in boxes on schematic diagram and component location drawing.

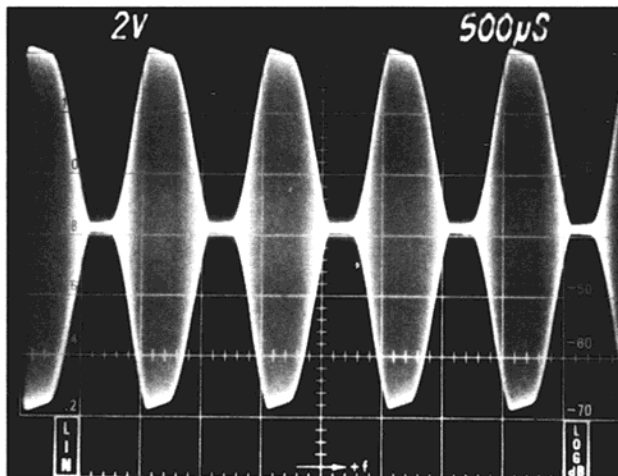
FIG. 5-12 MODULATION WAVEFORMS



50% MODULATION



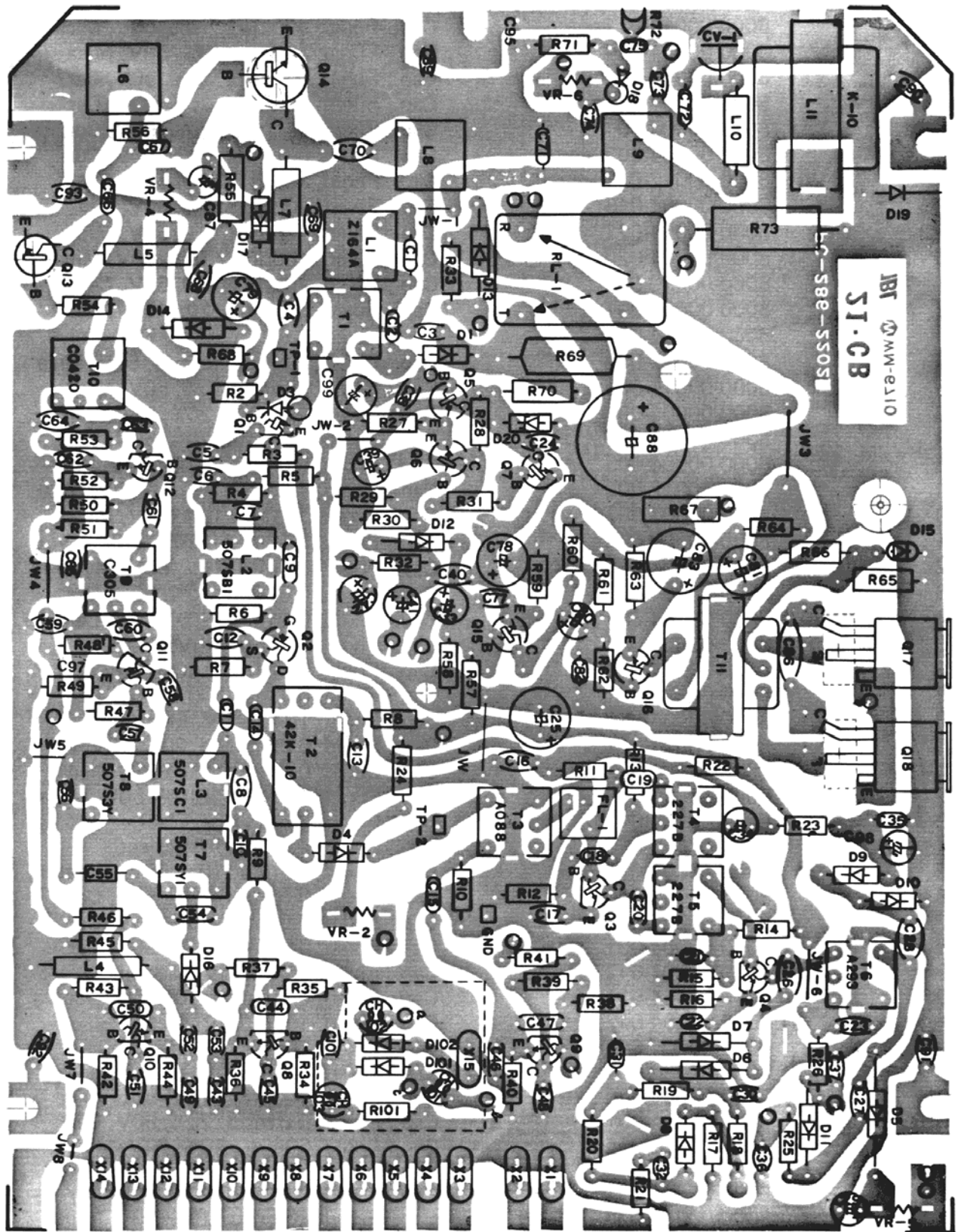
100% MODULATION



OVERMODULATION



FIG. 5-13 COMPONENT LAYOUT



SBE-21CB CORTEZ PARTS LIST

SYMBOL #	PART #	DESCRIPTION
C1	8000-00011-011	Cap., Fixed, 300pfd, $\pm 10\%$ , 50V, Mica
C2	8000-00004-024	Cap., Fixed, 30pfd, $\pm 10\%$ , 50V, Mica
C3	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C4	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C5	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C6	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C7	8000-00012-011	Cap., Fixed, 30pfd, N330, 50V, Cer.
C8	8000-00004-016	Cap., Fixed, 20pfd, $\pm 10\%$ , 50V, Mica
C9	8000-00004-021	Cap., Fixed, 47pfd, $\pm 10\%$ , 50V, Mica
C10	8000-00004-020	Cap., Fixed, 100pfd, $\pm 10\%$ , 50V, Mica
C11	8000-00030-006	Cap., Fixed, 20pfd, N750, 50V, Cer.
C12	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C13	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C14	8000-00012-002	Cap., Fixed, 1.5pfd, $\pm 0.5$ pfd, 50V, Mica
C15	8000-00011-009	Cap., Fixed, 56pfd, $\pm 10\%$ , 50V, Mica
C16	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C17	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C18	8000-00004-003	Cap., Fixed, 0.04mfd $\pm 10\%$ , 50V, Mylar
C19	8000-00012-002	Cap., Fixed, 1.5pfd, $\pm 0.5$ pfd, 50V, Mica
C20	8000-00004-007	Cap., Fixed, 10pfd, $\pm 10\%$ , 50V, Mica
C21	8000-00004-003	Cap., Fixed, 0.04mfd, $\pm 10\%$ , 50V, Mylar
C22	8000-00004-018	Cap., Fixed, 0.1mfd, 10%, 50V, Mylar
C23	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C24	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C25	8000-00004-044	Cap., Fixed, 220mfd, 16V, Elect.
C26	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C28	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C29	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C30	8000-00004-011	Cap., Fixed, 0.0001mfd, 20%, 50V, Cer.
C31	8000-00004-018	Cap., Fixed, 0.1mfd, 10%, 50V, Mica
C32	8000-00030-005	Cap., Fixed, 0.01mfd, $\pm 10\%$ , 50V, Mylar
C33	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C34	8000-00004-030	Cap., Fixed, 4.7mfd, 16V, Elect.
C35	8000-00004-018	Cap., Fixed, 0.1mfd, 10%, 50V, Mylar
C36	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C37	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C38	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C39	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C40	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C41	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C42	8000-00004-047	Cap., Fixed, 10mfd, 16V, Elect.
C43	8000-00030-004	Cap., Fixed, 50pfd, $\pm 10\%$ , 50V, Mica
C44	8000-00004-020	Cap., Fixed, 100pfd, $\pm 10\%$ , 50V, Mica
C45	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C46	8000-00030-004	Cap., Fixed, 50pfd, $\pm 10\%$ , 50V, Mica
C47	8000-00004-027	Cap., Fixed, 220pfd, $\pm 10\%$ , 50V, Mica
C48	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C49	8000-00004-020	Cap., Fixed, 100pfd, $\pm 10\%$ , 50V, Mica
C50	8000-00004-027	Cap., Fixed, 220pfd, $\pm 10\%$ , 50V, Mica
C51	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.

<u>SYMBOL #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
C52	8000-00011-008	Cap., Fixed, 5pfd, $\pm 10\%$ , 50V, Mica
C53	8000-00004-007	Cap., Fixed, 10pfd, $\pm 10\%$ , 50V, Mica
C54	8000-00011-008	Cap., Fixed, 5pfd, $\pm 10\%$ , 50V, Mica
C55	8000-00011-012	Cap., Fixed, 1pfd, 10%, 500V, Gimic
C56	8000-00012-010	Cap., Fixed, 25pfd, N150, 50V, Cer.
C57	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C58	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C59	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C60	8000-00012-010	Cap., Fixed, 25pfd, N150, 50V, Cer.
C61	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C62	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C63	8000-00004-020	Cap., Fixed, 100pfd, $\pm 10\%$ , 50V, Mica
C64	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C65	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C66	8000-00004-002	Cap., Fixed, 15pfd, $\pm 10\%$ , 50V, Mica
C67	8000-00004-020	Cap., Fixed, 100pfd, $\pm 10\%$ , 50V, Mica
C68	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C69	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C70	8000-00004-011	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C71	8000-00004-027	Cap., Fixed, 220pfd, $\pm 10\%$ , 50V, Mica
C72	8000-00011-010	Cap., Fixed, 170pfd, $\pm 10\%$ , 50V, Mica
C73	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C74	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C75	8000-00011-008	Cap., Fixed, 5pfd, $\pm 10\%$ , 50V, Mica
C76	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C77	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C78	8000-00004-009	Cap., Fixed, 47mfd, 16V, Elect.
C79	8000-00004-009	Cap., Fixed, 47mfd, 16V, Elect.
C80	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C81	8000-00004-009	Cap., Fixed, 47mfd, 18V, Elect.
C82	8000-00004-003	Cap., Fixed, 0.04mfd, $\pm 10\%$ , 50V, Mylar
C83	8000-00004-044	Cap., Fixed, 220mfd, 16V, Elect.
C86	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C87	8000-00004-042	Cap., Fixed, 1mfd, 16V, Elect.
C88	8000-00004-049	Cap., Fixed, 1000mfd, 16V, Elect.
C89	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C90	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C91	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C92	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C93	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C94	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C95	8000-00004-001	Cap., Fixed, 0.01mfd, 20%, 50V, Cer.
C96	8000-00004-011	Cap., Fixed, 0.001mfd, 20%, 50V, Cer.
C97	8000-00004-048	Cap., Fixed, 1000pfd, Feed Through
CV-1	8000-00004-204	Cap., Var., 10pfd, Max., Trimmer
D1	8000-00006-008	Diode, WG1012
D2	8000-00011-046	Diode, 1S1007
D3	8000-00011-046	Diode, 1S1007
D4	8000-00011-042	Diode, 1S2472
D5	8000-00004-060	Diode, 1N34A

<u>SYMBOL #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
D6	8000-00004-060	Diode, 1N34A
D7	8000-00004-060	Diode, 1N34A
D8	8000-00004-064	Diode, 1S84
D9	8000-00006-008	Diode, WG1012
D10	8000-00006-008	Diode, WG1012
D11	8000-00004-060	Diode, 1N34A
D12	8000-00004-060	Diode, 1N34A
D13	8000-00006-008	Diode, WG1012
D14	8000-00004-060	Diode, 1N34A
D15	8000-00011-045	Diode, 1S1211
D16	8000-00011-042	Diode, 1S2472
D17	8000-00030-010	Diode, 1N4002
D18	8000-00004-060	Diode, 1N34A
D19	8000-00030-010	Diode, 1N4002
D20	8000-00011-043	Diode, BZ090, Zener
F1	8000-00004-152	Fuse, 2A
FH	8000-00004-151	In-line Fuse Holder,
FL-1	8000-00004-139	Filter, LF-B6, Ceramic
J1	8000-00004-070	Microphone Connector
J2	8000-00030-021	Jack, Ext. Speaker
J3	8000-00030-021	Jack, PA
J4	8000-00004-069	Coaxial Connector, SO-239
L1	8000-00030-015	Coil, HF, Z164A
L2	8000-00030-014	Coil, HF, 507SB1
L3	8000-00012-022	Coil, HF, 507SC1
L4	8000-00011-019	Choke Coil, 22 $\mu$ h
L5	8000-00030-011	Choke Coil, 2.5 $\mu$ h
L6	8000-00030-017	Coil, HF, S-18
L7	8000-00004-055	Choke Coil, 0.65 $\mu$ h
L8	8000-00030-017	Coil, HF, S-18
L9	8000-00030-017	Coil, HF, S-18
L10	8000-00004-059	Choke Coil, 0.85 $\mu$ h
L11	8000-00030-012	Choke Coil, K-10
M1	8000-00030-029	Meter
PL-1	8000-00004-142	Lamp, 16V, 40ma
PL-2	8000-00004-142	Lamp, 16V, 40ma
PL-3	8000-00011-056	Lamp, 14V, 75ma
Q1	8000-00011-004	Transistor, 2SC710B
Q2	8000-00004-081	Transistor, 2SK19Y
Q3	8000-00011-047	Transistor, 2SC710C
Q4	8000-00011-047	Transistor, 2SC710C
Q5	8000-00030-007	Transistor, 2SC403C
Q6	8000-00030-007	Transistor, 2SC403C
Q7	8000-00030-007	Transistor, 2SC403C

<u>SYMBOL #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
Q8	8000-00011-047	Transistor, 2SC710C
Q9	8000-00011-047	Transistor, 1SC710C
Q10	8000-00011-047	Transistor, 2SC710C
Q11	8000-00011-047	Transistor, 2SC710C
Q12	8000-00011-047	Transistor, 2SC710C
Q13	8000-00030-008	Transistor, 2SC1475
Q14	8000-00006-230	Transistor, 2SC756
Q15	8000-00030-009	Transistor, 2SD187
Q16	8000-00030-007	Transistor, 2SC403C
Q17	8000-00004-087	Transistor, 2SC1014
Q18	8000-00004-087	Transistor, 2SC1014
R67	8000-00004-091	Res., Fixed, 1 $\Omega$ , 10%, 1W, Oxide Film
RL-1	8000-00030-022	Relay
S2	8000-00030-020	Rotary Switch 24T
S3	8000-00030-037	Slide Switch 2P2T
S4	8000-00030-036	Slide Switch 1P2T
SP-1	8000-00011-057	Speaker, 8 $\Omega$ , 3W
T1	8000-00030-013	Coil, HF, C234D
T2	8000-00012-032	Transformer IF, 42K-10
T3	8000-00030-018	Transformer IF, A088
T4	8000-00012-034	Transformer IF, EIA 227B
T5	8000-00012-034	Transformer IF, EIA 227B
T6	8000-00012-035	Transformer IF, EIA 146D
T7	8000-00012-023	Coil, HF, 507SY1
T8	8000-00012-024	Coil, HF, 507S3Y
T9	8000-00030-045	Coil, HF, 507SZ
T10	8000-00030-016	Coil, HF, C042D
T11	8000-00030-019	Transformer, Input, A31
T12	8000-00012-037	Transformer, Output, E03
VR-1	8000-00030-002	Res., Var., 10K $\Omega$ , B type, Trimmer
VR-2	8000-00030-001	Res., Var., 50K $\Omega$ , 2T, Trimmer
VR-3	8000-00030-003	Res., Var., 50K $\Omega$ , D type w/switch, Trimmer
VR-4	8000-00011-082	Res., Var., 1K $\Omega$ , 2T Trimmer
VR-5	8000-00004-096	Res., Var., 10K $\Omega$ , 2T, Trimmer
VR-6	8000-00004-094	Res., Var., 100K $\Omega$ , 2T, Trimmer
X1	8000-00012-043	Crystal, 9.545 MHz, HC25/U
X2	8000-00012-044	Crystal, 9.555 MHz, HC25/U
X3	8000-00012-045	Crystal, 9.565 MHz, HC25/U
X4	8000-00012-046	Crystal, 9.585 MHz, HC25/U
X5	8000-00012-047	Crystal, 16.965 MHz, HC25/U
X6	8000-00012-048	Crystal, 17.015 MHz, HC25/U
X7	8000-00012-049	Crystal, 17.065 MHz, HC25/U
X8	8000-00012-050	Crystal, 17.115 MHz, HC25/U
X9	8000-00012-051	Crystal, 17.165 MHz, HC25/U
X10	8000-00012-052	Crystal, 17.215 MHz, HC25/U

<u>SYMBOL #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
X11	8000-00012-053	Crystal, 10.000 MHz, HC25/U
X12	8000-00012-054	Crystal, 10.010 MHz, HC25/U
X13	8000-00012-055	Crystal, 10.020 MHz, HC25/U
X14	8000-00012-056	Crystal, 10.040 MHz, HC25/U
	8000-00030-023	Feed-through Capacitor Bracket
	8000-00030-024	Front Die Cast
	8000-00030-025	Front Plate
	8000-00030-026	Volume Knob
	8000-00030-027	Squelch Knob
	8000-00030-028	Channel Selector
	8000-00030-030	Heat Sink for 2SC756
	8000-00030-031	Cable Clamp
	8000-00030-032	Meter Mounting Plate
	8000-00030-033	Sponge Rubber
	8000-00030-034	Rubber Sheet for Meter
	8000-00030-035	Rubber Lamp Bracket
	8000-00030-038	Speaker Mounting Bracket
	8000-00004-159	Lamp Assembly, Red
	8000-00030-039	Cabinet
	8000-00030-040	Mounting Bracket
	8000-00030-041	Felt Speaker Insulator
	8000-00004-153	Microphone Complete
	8000-00030-042	F.C.C. Name Plate
	8000-00030-043	Display Box
	8000-00030-044	Styrofoam Box
	8000-00004-164	Microphone Connector, female

