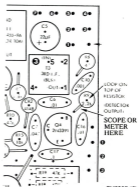
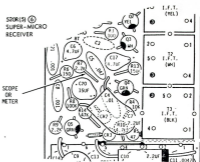
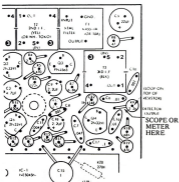




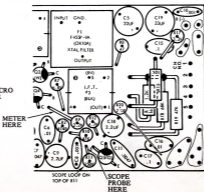
S20R(5) (4) AND (5)
MODEL SIG RECEIVERS



SN928R(5)
SUPER-NOVA
RECEIVER

C920R(5)
CLASSIC
RECEIVER

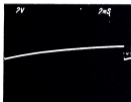
M928R(5)
SUPER-MICRO
RECEIVER



CONNECTION POINTS
FOR TUNING RECEIVERS

CANNON ELECTRONICS MODEL 910T WAVEFORMS

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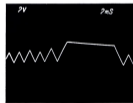
9



10



11



14

Q1 OUTPUT SAME BUT NEGATIVE - GOING WAVEFORM

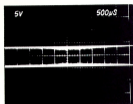
Q2 OUTPUT POSITIVE - GOING WITH TRIANGULAR WAVE-SHAPING

NUMBERS RELATE TO TRANSMITTER SCHEMATIC OUTPUTS AT SAME PIN NUMBERS ON I.C. 2 NE5044N.

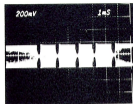
CANNON ELECTRONICS ALL MODEL 920R5 RX WAVEFORMS

(SHEET 1 OF 2)

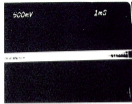
8/1/87



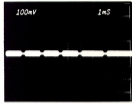
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2



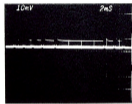
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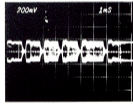
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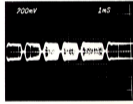
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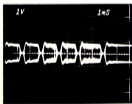
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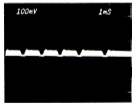
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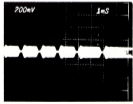
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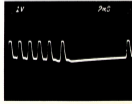
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10



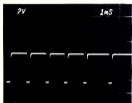
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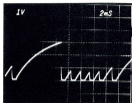
12 PROPERLY MATCHED TX AND RX

13

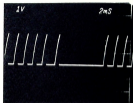
CANNON ELECTRONICS ALL MODEL 920R5 RX WAVEFORMS
(SHEET 2 OF 2)



14



16



17

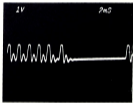


18



19

WAVEFORM NO. 19 IS TYPICAL
FOR ALL CHANNEL OUTPUTS.



20

WAVEFORM NO. 20 SHOWS IMPROPERLY
MATCHED AND TUNED TX AND RX.
COMPARE WITH WAVEFORMS NO. 12, 13.

AS FREQUENCY VARIATION INCREASES,
NEGATIVE SIGNAL BECOMES MORE
PREDOMINANT AND POSITIVE OUTPUT
AMPLITUDE DECREASES. GAIN AND
BANDWIDTH DECREASE DRASTICALLY AS
OFF-FREQUENCY SIGNAL COMPONENT
BECOMES GREATER. BOTH
TX AND RX MUST BE EXACTLY ON
FREQUENCY FOR OPTIMUM
PERFORMANCE.

NUMBERS RELATE TO THOSE ON RECEIVER SCHEMATICS

WAVEFORMS DERIVED FROM VERY LOW TRANSMITTED RF LOGIC SIGNAL