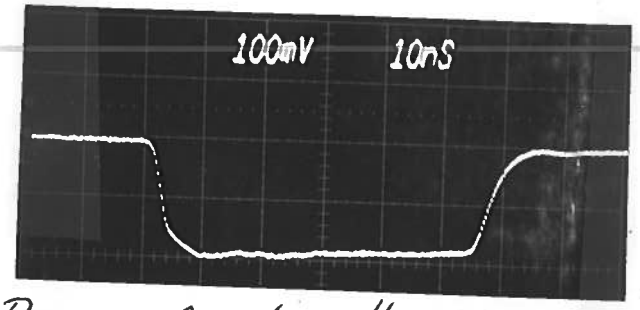
PULSE GENERATOR

PERFORMANCE CHECK

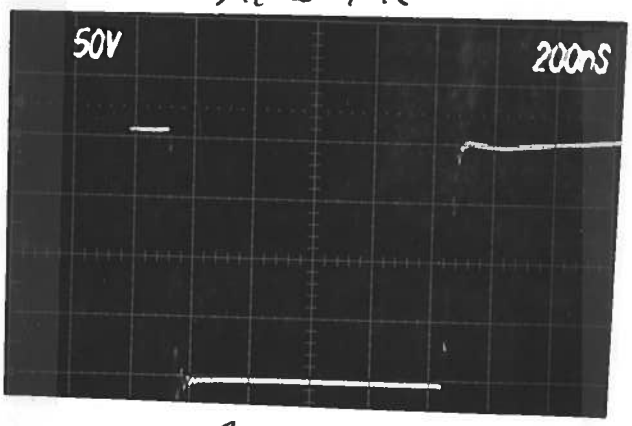
Model: AVR-1TTTE-05

S.N.: 4153

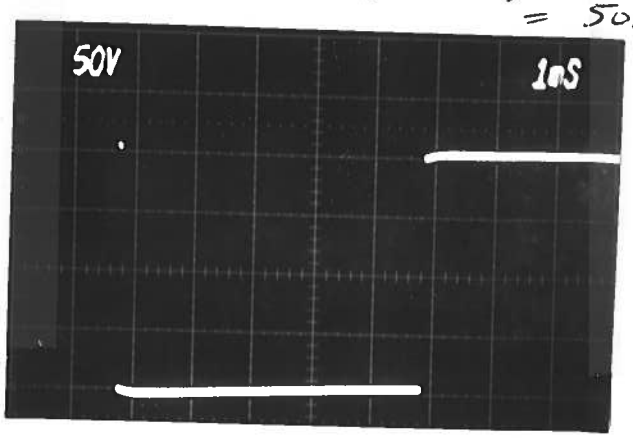
Date: FEB 1 1988



A OUT ≈ 60 db ATTEN
$R_L \approx 1K$



B OUT R_L = 1K PRF = 500 HZ



B OUT R_L = 1K PRF = 20 HZ.

a) Output signal amplitude:
A OUT: −200V } $R_L \geq 1K$
B OUT: −20V }

b) Pulse width:
A OUT: 5 TO 100 NSEC
B OUT: 100 NSEC TO 5 MSEC

c) Rise time:
A OUT: ≤ 3 NSEC
B OUT: ≤ 10 NSEC

d) Fall time:
A OUT: ≤ 3 NSEC
B OUT: ≤ 10 NSEC

e) PRF:
A OUT: 0 TO 1 KHZ
B OUT: 0 TO 50 HZ

f) Jitter, stability:
OK

g) Prime power:
120/240 V
50-60 HZ

h) DC OFFSET
0 TO +50 V.

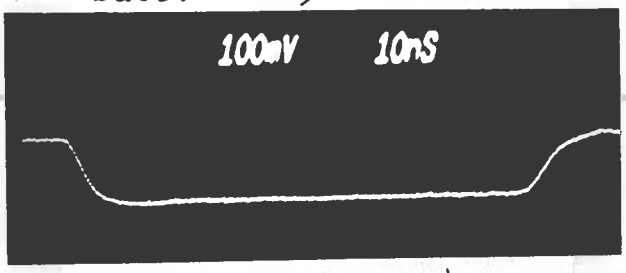
PULSE GENERATOR

PERFORMANCE CHECK

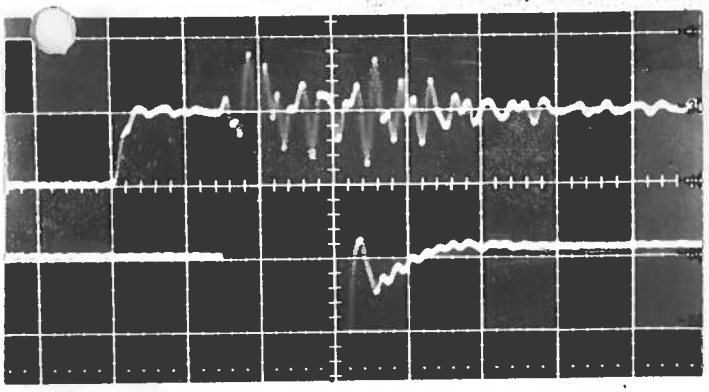
Model: ARRL-ITTE-05-MOD1

S.N.: 4153 (MOD)

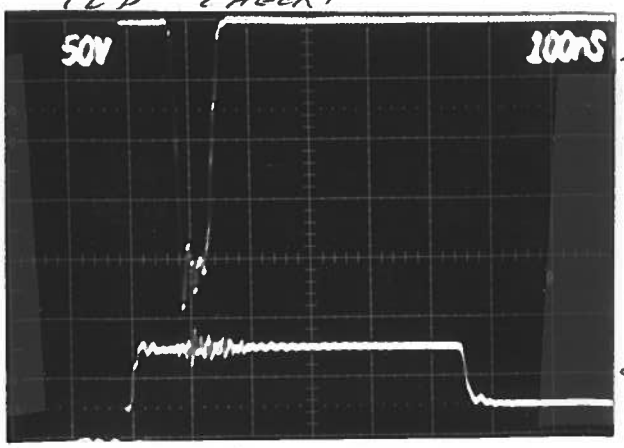
Date: FEB 17 1989



1) A OUT 10 dB ATTEN
320 VOLTS/DIV



2) 5 VOLTS/DIV
50 NSEC/DIV
(TP CHECK)



3) B CHANNEL
TP CHECK
PW max CHECK

a) Output signal amplitude:
A OUT: ≥ -320 VOLTS
B OUT: ≥ -215 VOLTS

b) Pulse width:
A OUT: 6 TO 80 NSEC
B OUT: 80 NSEC TO 5.0 MSEC

c) Rise time:
A OUT: ≤ 3 NSEC
B OUT: ≤ 10 NSEC

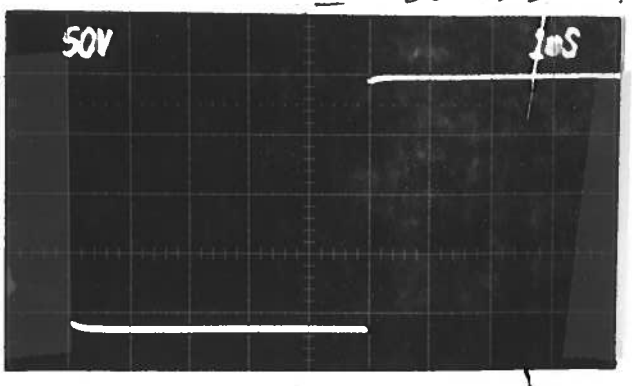
d) Fall time:
A OUT: ≤ 3 NSEC
B OUT ≤ 20 NSEC

e) PRF:
A OUT: 0 TO 4 KHz
B OUT: 0 TO 50 Hz

f) Jitter, stability:
OK

g) Prime power:
120/240 V, 50-60

h) PROP. DELAY A+B,
≤ 80 NSEC.



4) B CHANNEL (+PW max)
50 V/DIV
1 MSEC/DIV.

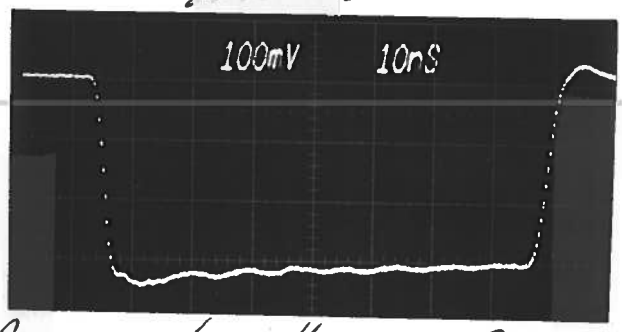
PULSE GENERATOR

PERFORMANCE CHECK

Model: AVR-ITTE-05-MOD1

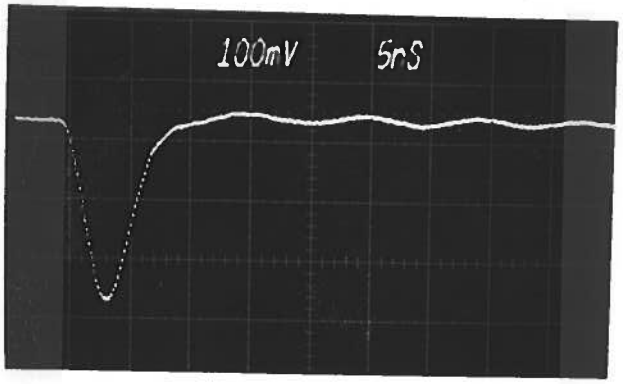
S.N.: 4153 MOD (REPAIRED)

Date: APRIL 21 89



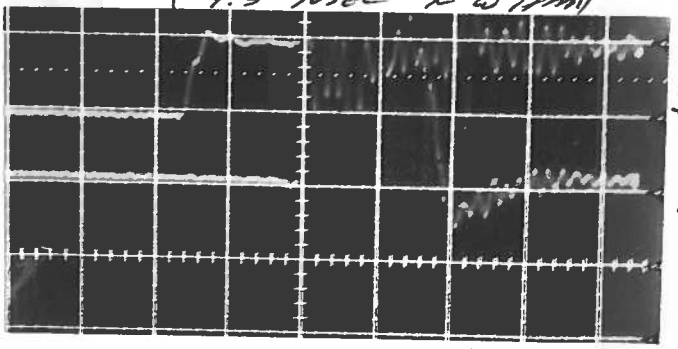
1) A_{OUT} 60 db ATTEN

≈100 VOLTS/DIV



2) A_{OUT} PW MIN 100 VOLTS/DIV

(7.5 NSEC PW TM
4.5 NSEC PW HM) @ 300 V



3)

a) Output signal amplitude:
A_{OUT} ≈ −320 V
B_{OUT} ≈ −2 V

b) Pulse width:
A_{OUT}: 2.5 TO 80 NSEC
B_{OUT}: 80 NSEC TO 5.0 MSEC

c) Rise time:
A_{OUT} < 3 NSEC
B_{OUT} < 10 NSEC

d) Fall time:
A_{OUT} < 5 NSEC
B_{OUT} ≤ 20 NSEC

e) PRF:
A: 0 TO 4 KHz
B: 0 TO 50 Hz

f) Jitter, stability:
OK

g) Prime power:
120 / 240 V 50-60 H

h) PROP DELAY AT 20% R
A, B: ≤ 80 NO EXT CABLES
NSEC.

t_D ≤ 80 NSEC
20% RISE POINTS,
NO EXTENDER
CABLES.

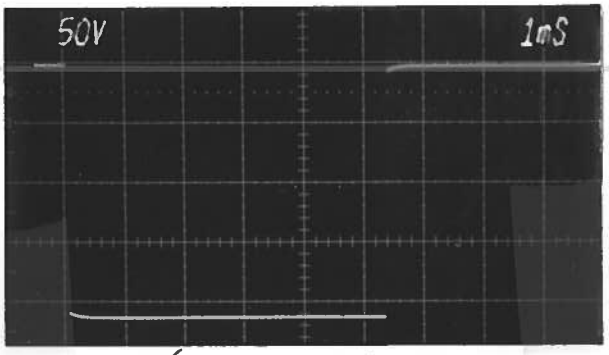
PULSE GENERATOR

PERFORMANCE CHECK

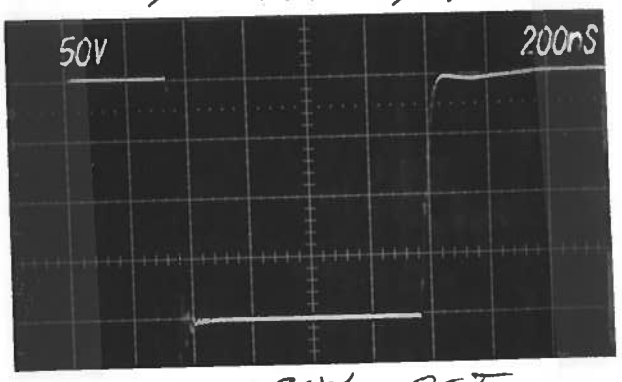
Model:

S.N.: 4153 MOD, ACTARUS CONF.

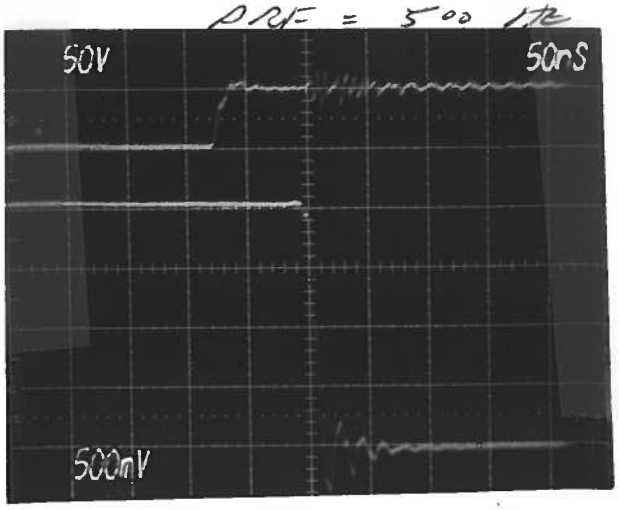
Date:



4) D_{OUT} R_L = OPEN CCT
PW MAX PRF = 50 Hz



5) B_{OUT} OPEN CCT
PW MONITOR MIN
PRF = 500 Hz



a) Output signal amplitude:

b) Pulse width:

c) Rise time:

d) Fall time:

e) PRF:

f) Jitter, stability:

g) Prime power:

= DAG

$t_R \leq$ 80 ns

= PULSE OUT 20% LIKE POINTS, NO ERT CASE