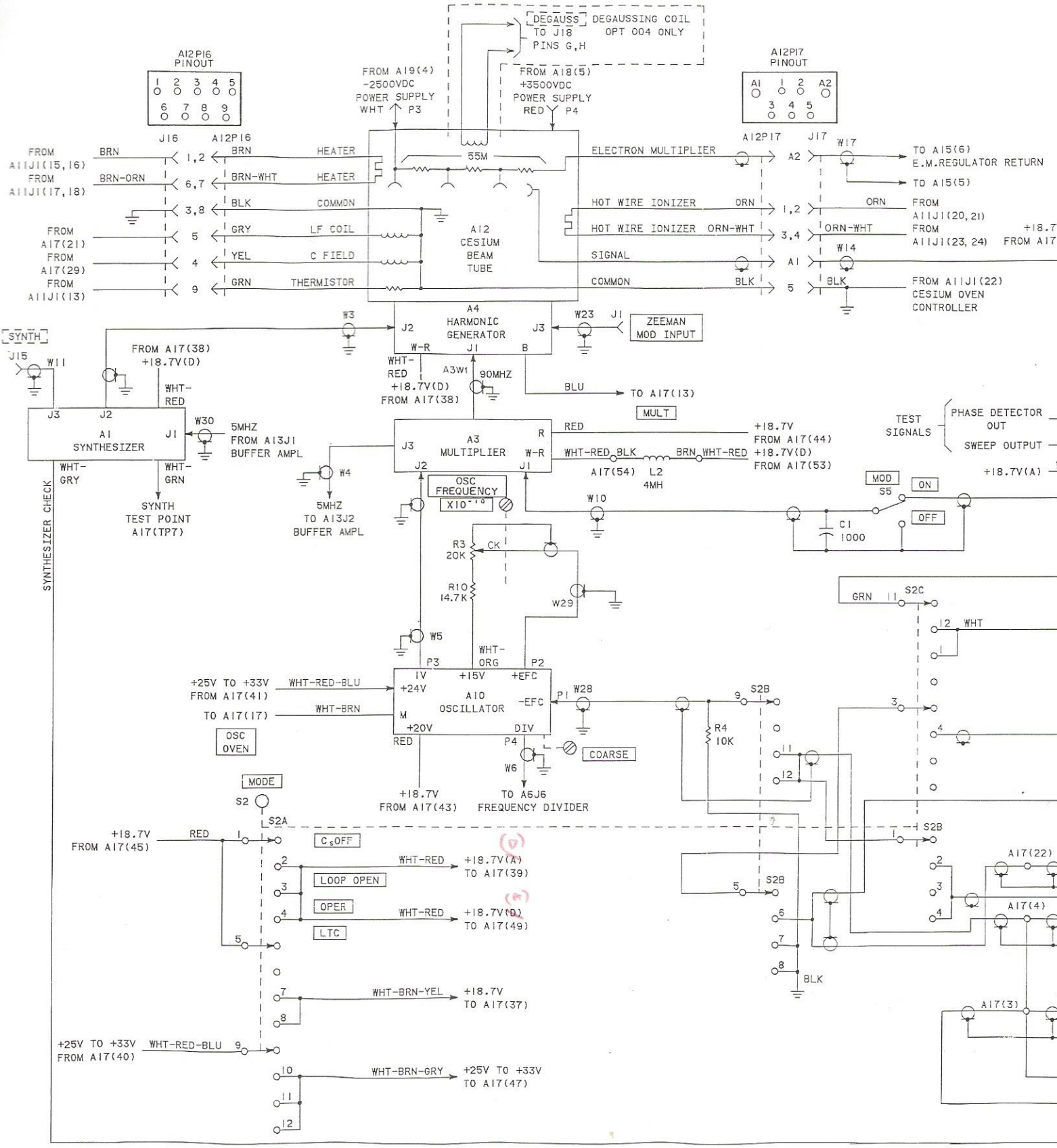
DEGAUSS
TO J18
PINS G,H
DEGAUSSING COIL
OPT 004 ONLY
A12P16
PINOUT
A12P17
PINOUT
FROM A19(4)
-2500VDC
POWER SUPPLY
WHT P3
FROM A18(5)
+3500VDC
POWER SUPPLY
RED P4
J16
A12P16
A12P17
J17
W17
FROM A11J1(15,16)
BRN
1,2
BRN
HEATER
FROM A11J1(17,18)
BRN-ORN
6,7
BRN-WHT
HEATER
3,8
BLK
COMMON
FROM A17(21)
5
GRY
LF COIL
FROM A17(29)
4
YEL
C FIELD
FROM A11J1(13)
9
GRN
THERMISTOR
55M
A12
CESIUM
BEAM
TUBE
ELECTRON MULTIPLIER
A2
TO A15(6)
E.M.REGULATOR RETURN
TO A15(5)
HOT WIRE IONIZER
ORN
1,2
ORN
FROM A11J1(20,21)
HOT WIRE IONIZER
ORN-WHT
3,4
ORN-WHT
FROM A11J1(23,24)
+18.7
FROM A17
SIGNAL
A1
W14
COMMON
BLK
5
BLK
FROM A11J1(22)
CESIUM OVEN
CONTROLLER
SYNTH
J15
W11
FROM A17(38)
+18.7V(D)
WHT-
RED
J3
J2
A1
SYNTHESIZER
J1
W30
5MHZ
FROM A13J1
BUFFER AMPL
WHT-
GRY
WHT-
GRN
SYNTH
TEST POINT
A17(TP7)
W4
5MHZ
TO A13J2
BUFFER AMPL
A4
HARMONIC
GENERATOR
J2
J3
J1
W-R
B
W3
W23
J1
ZEEMAN
MOD INPUT
WHT-
RED
+18.7V(D)
FROM A17(38)
A3W1
90MHZ
BLU
TO A17(13)
MULT
A3
MULTIPLIER
J3
J2
J1
R
W-R
RED
+18.7V
FROM A17(44)
WHT-RED BLK
BRN WHT-RED
+18.7V(D)
FROM A17(53)
A17(54) L2
4MH
TEST
SIGNALS
PHASE DETECTOR
OUT
SWEEP OUTPUT
+18.7V(A)
MOD
S5
ON
OFF
C1
1000
W10
OSC
FREQUENCY
X10⁻⁶
R3
20K
CK
R10
14.7K
W29
W5
SYNTHESIZER CHECK
P3
WHT-
ORG
P2
A10
OSCILLATOR
1V
+15V
+EFC
+24V
-EFC
M
+20V
DIV
RED
P4
P1
W28
+25V TO +33V
FROM A17(41)
WHT-RED-BLU
TO A17(17)
WHT-BRN
OSC
OVEN
COARSE
W6
+18.7V
FROM A17(43)
TO A6J6
FREQUENCY DIVIDER
S2C
GRN
11
12
WHT
S2B
9
3
4
11
12
R4
10K
MODE
S2
S2A
+18.7V
FROM A17(45)
RED
1
C,OFF
2
WHT-RED
+18.7V(A)
TO A17(39)
LOOP OPEN
3
OPER
4
WHT-RED
+18.7V(D)
TO A17(49)
LTC
5
7
WHT-BRN-YEL
+18.7V
TO A17(37)
8
+25V TO +33V
FROM A17(40)
WHT-RED-BLU
9
10
WHT-BRN-GRY
+25V TO +33V
TO A17(47)
11
12
S2B
5
6
7
8
BLK
A17(22)
A17(4)
A17(3)