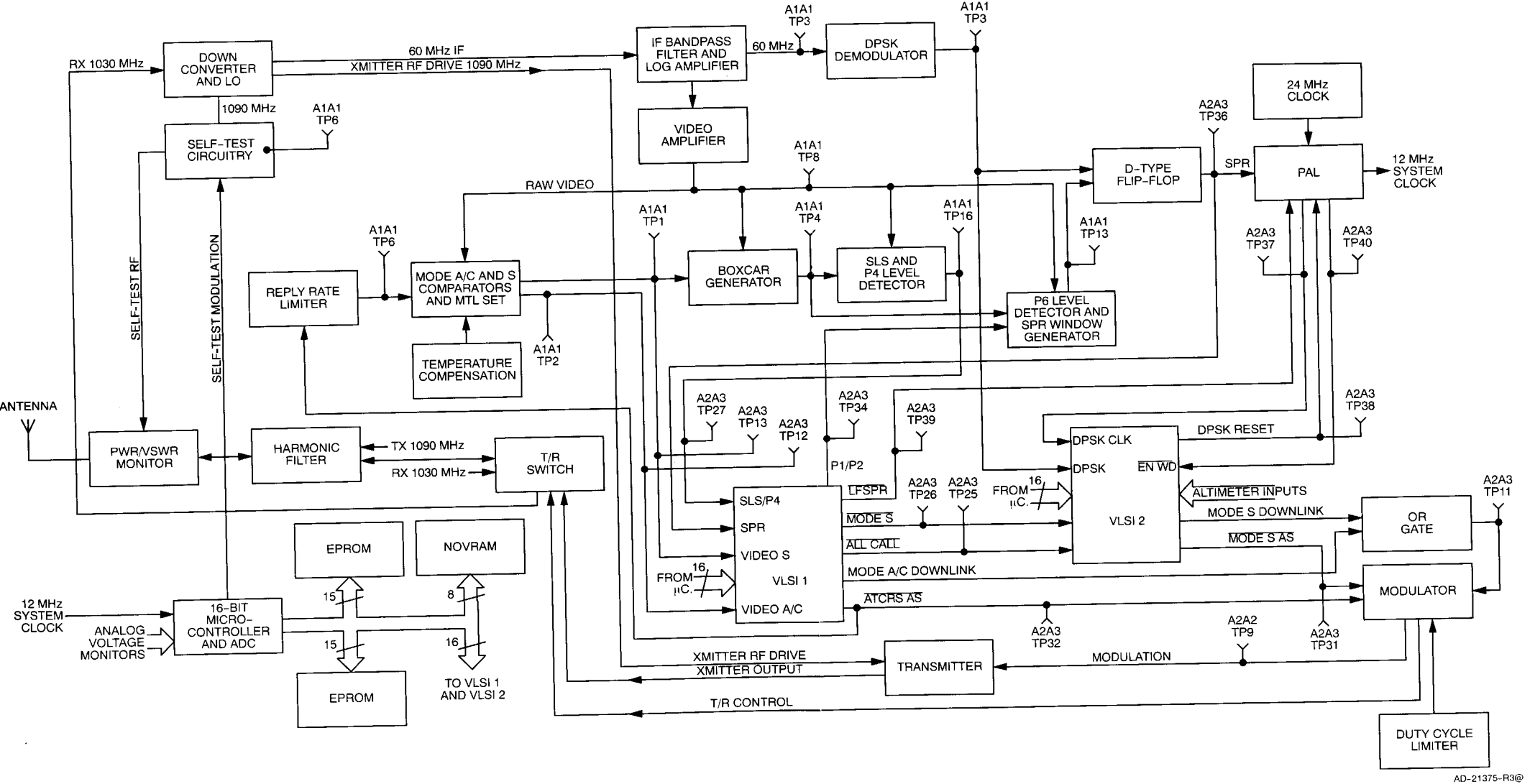

RX 1030 MHz
DOWN CONVERTER AND LO
60 MHz IF
XMITTER RF DRIVE 1090 MHz
1090 MHz
A1A1 TP6
SELF-TEST CIRCUITRY
IF BANDPASS FILTER AND LOG AMPLIFIER
A1A1 TP3
60 MHz
DPSK DEMODULATOR
A1A1 TP3
VIDEO AMPLIFIER
A1A1 TP8
RAW VIDEO
24 MHz CLOCK
A2A3 TP36
D-TYPE FLIP-FLOP
SPR
PAL
12 MHz SYSTEM CLOCK
A1A1 TP13
A2A3 TP37
A2A3 TP40
SELF-TEST RF
SELF-TEST MODULATION
A1A1 TP6
REPLY RATE LIMITER
MODE A/C AND S COMPARATORS AND MTL SET
TEMPERATURE COMPENSATION
A1A1 TP2
A1A1 TP1
BOXCAR GENERATOR
A1A1 TP4
SLS AND P4 LEVEL DETECTOR
A1A1 TP16
P6 LEVEL DETECTOR AND SPR WINDOW GENERATOR
ANTENNA
PWR/VSWR MONITOR
HARMONIC FILTER
TX 1090 MHz
RX 1030 MHz
T/R SWITCH
A2A3 TP27
A2A3 TP13
A2A3 TP12
A2A3 TP34
A2A3 TP39
P1/P2
A2A3 TP38
DPSK RESET
DPSK CLK
DPSK
EN WD
VLSI 2
ALTIMETER INPUTS
MODE S DOWNLINK
MODE S AS
A2A3 TP11
OR GATE
SLS/P4
SPR
VIDEO S
VLSI 1
VIDEO A/C
LFSPR
MODE S
ALL CALL
MODE A/C DOWNLINK
ATCRS AS
FROM µC.
16
A2A3 TP26
A2A3 TP25
EPROM
NOVRAM
15
8
MODULATOR
12 MHz SYSTEM CLOCK
ANALOG VOLTAGE MONITORS
16-BIT MICRO-CONTROLLER AND ADC
15
16
EPROM
TO VLSI 1 AND VLSI 2
XMITTER RF DRIVE
XMITTER OUTPUT
TRANSMITTER
A2A3 TP32
A2A2 TP9
A2A3 TP31
MODULATION
T/R CONTROL
DUTY CYCLE LIMITER
AD-21375-R3@