

FIELD ENGINEERING NEWS



ENGINEERING NOTES

454 ABERRATION SPECIFICATIONS

Engineering has established peak-to-peak and peak aberration limits for the 5, 10, 20, 50 and 100 mV/div attenuator positions. These allow the full peak-to-peak tolerance to be entirely positive or negative.

The new specification information shown in table, Figure 1, has been added to the Electrical Characteristics Table in section 1 of the 454 Instruction Manual. At present the information is in the form of an inserted text correction. In conjunction with the above, Performance Checks 19 and

20 in section 5 of the manual have been amended to include the new limits.

As these aberration specifications should be available to customers before they purchase the instrument, the additional information will be incorporated in the 454 catalog specifications, which are in the process of being re-issued.

The 454 transient response aberrations have not changed, but the method of specifying them has.

CHARACTERISTIC	SPECIFICATION	
Aberrations (without probe, 25°C ±5°C) 5 mV/div	Peak aberrations not to exceed +7% or -7%; total peak-to-peak aberrations not to exceed 7%.	Measured with positive-going step from 25 ohm source. CH 1 and CH 2 VARIABLE controls at CAL, BW-BEAM FINDER switch set to FULL, CH 2 INVERT switch pushed in. All aberrations measured within area between one risetime and 50 nanoseconds after 50% point of step.
10 mV/div	Peak aberrations not to exceed +6% or -6%; total peak-to-peak aberrations not to exceed 6%.	
20 mV/div	Peak aberrations not to exceed +5% or -5%; total peak-to-peak aberrations not to exceed 5%.	
50 mV/div	Peak aberrations not to exceed +5% or -5%; total peak-to-peak aberrations not to exceed 5%.	
100 mV/div	Peak aberrations not to exceed +7% or -7%; total peak-to-peak aberrations not to exceed 7%.	

Figure 1

This information will shortly be found in the Performance section of the 454 RB.

--Rodney Reed

FIELD PERSONNEL CHANGES

New Personnel

Barbara Fletcher, Secretary	Seattle
Ernest Maynard, FET	San Francisco
Harriett DeLong, Secretary	Springfield
Robert Kaseta, Stock	Springfield

Terminations

Richard Witt, Stock	Albuquerque
Marion Rothfuss, Secretary	Alexandria
Ralph Navarro, Stock	Dallas
Leta Breeze, Secretary	Palo Alto
Joe Rooney, PSTT	Rockville
Gerald Davis, PST	Van Nuys

Transfers

George Muckenstrom, FE	From Hartford to Stamford
Leonard Garrett, FE	From Beaverton to Alhambra
Roger Williams, FE	From Beaverton to Syracuse
Ronald Gantner, FE	From Beaverton to Orlando
Charles Lucas, FE	From Beaverton to Philadelphia
Byron Fisher, FE	From Alhambra to Van Nuys
Kendrell Gregware, PST	From Boston to Marketing Technical Training

Name Change

Martin Lazarowitz changed to Martin Lazarus, FE	Long Island
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--Ron Goard
Field Administration

PUBLICATIONS AVAILABLE

070-0247-01

Type 515/515A Oscilloscope Instruction
Manual (Rewritten)

070-0496-01

Lubrication Kit Instructions (Rewritten)

--Jack Lovelace
MPA-Parts Research

062-0861-01

Storage Cathode-Ray Tubes and Circuits
(Second Edition)

062-0955-00

Television Waveform Processing Circuits
(New)

--Tom Long

