



# ZX SERIES TRANSMITTERS TEST DATA

CUSTOMER NAME: GRAND RAPIDS CABLE AC

CALL LETTERS: WYCE

LOCATION: GRAND RAPIDS, MI

CUSTOMER #: 308176 ORDER #: GO10000820-001

TRANSMITTER MODEL #: ZX5000FLX

TRANSMITTER SERIAL #: GO10000820-001

EXCITER MODEL: Flexstar HDx FM EXCITER S/N: PRD0323680-001

PRIMARY MODE: FM

FREQUENCY: 88.1 MHZ TPO: 4,200 WATTS

AC POWER: Voltage: 240 Freq: 60

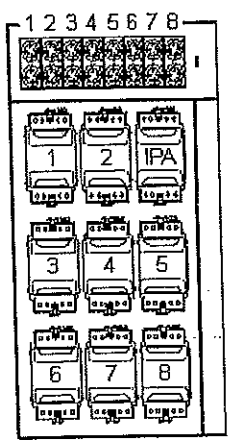
RF OUTPUT IMPEDANCE: 50 AMPLIFIER EFFICIENCY: 70.1%

IPA & PA MODULE LOCATION:

PA# 1 S/N: PRD0324450-021  
PA# 3 S/N: PRD0324450-024  
PA# 6 S/N: PRD0324450-027

PA# 2 S/N: PRD0324450-022  
PA# 4 S/N: PRD0324450-025  
PA# 7 S/N: PRD0324450-028

IPA S/N: PRD0324450-023  
PA# 5 S/N: PRD0324450-026  
PA# 8 S/N: PRD0324450-029



COMMENTS: \_\_\_\_\_

Released for Shipment

Test Technician: Rob Munson Date: 12/14/09

Manufacturing: [Signature] Date: 14-Dec-09

# HARRIS ZX SERIES TRANSMITTERS TEST DATA

## FRONT PANEL MULTIMETER READINGS

FM Mode:

FWD kW: 4.20  
 REV W: 0.8  
 PA VOLTS: 49.9  
 PA AMPS: 120.0

PA Current

PA 1: 15.1      PA 2: 15.4  
 PA 3: 14.7      PA 4: 15.5  
 PA 5: 16.4      PA 6: 15.7  
 PA 7: 15.3      PA 8: 16.0

## FRONT PANEL INDICATORS (CHECK)

MODE:

FM  
 N/A  FM+HD  
 N/A  HD/SL

FWD kW  
 REV W  
 PA VOLTS  
 PA AMPS

## INTERNAL INDICATORS (CHECK)

FORWARD POWER LOW  
 REVERSE POWER FOLDBACK  
 RESTARTS EXCEEDED  
 LOW FAN SPEED  
 AC MAINS LOW

LOAD OVERHEATED  
 PA MODULE SHUTDOWN  
 RF MUTE ACTIVE  
 INTERLOCK LOOP OPEN

## REMOTE READINGS

Forward Power 1.830 Vdc  
 Reverse Power 0.116 Vdc  
 PA Volts 1.999 Vdc  
 PA Current 1.212 Vdc

## TEST POINT READINGS

IPA I (TP1) 0.891 Vdc or 8.91 A  
 IPA BIAS (TP2) 0.009 Vdc  
 PA BIAS (TP3) -4.75 Vdc  
 PA TEMP (TP4) 0.504 Vdc or 51.2 °C  
 LOAD TEMP (TP5) 0.186 Vdc or 30 °C

## EXCITER READINGS

Forward Power 5.84 Watts  
 Reverse Power 0.64 Watts  
 PA Volts 23.97 Volts  
 PA Current 1.33 Amps

## AC POWER

V and I measured at factory test conditions, Actual may vary at customer specific line conditions.

Mains 1 240 Vac 13.5 A  
 Mains 2 240 Vac 10.7 A  
 Mains 3 241 Vac 6.7 A

## HARMONICS

Record any readings less than 85dBc between Fc and Fc X 10

Frequency	Reading
None Observed	N/A
None Observed	N/A