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Chandler, Arizona 85224-1571
(602) 926-3100, FAX: 926-3598
www.goodnet.com/~mflom

PLEASE NOTE:

ZIP CODE CHANGED TO 85225-1571

NEW PHONE NO. (480) 926-3100 NEW FAX: (480) 926-3598
NEW ELECTRONIC ADDRESSES: www.mflom.com general@mflom.com

October 15, 1999.

Federal Communications Commission,
Attention: Bill Inglis
Applicant: ADI Limited, Systems Group
Equipment: FCC ID: N6FCI00059 EA94840
Your file: Correspondence 10065

Bill: Please reference the abovenoted e-mail Oct.8, 1999

We found this radio to be exceptionally well-designed. It has been built to exceed Project 25, EIA/TIA 102 standards and also EIA/TIA 603.

Our method for checking Carrier-on/off was approved by George Tannahill YEARS AGO. Before we submit any report to the FCC our reports are examined very carefully by at least 3 experienced engineers. We cannot understand why you claim that 'the trace is not visible and missing.' We are attaching the following larger 6 plots for your review, i.e.

<u>CARRIER ON TIME</u>	<u>CARRIER OFF TIME</u>
1. Dev. \pm 25 KHz, Voice	4. Dev. \pm 2.5 KHz, Voice
2. Dev. \pm 12.5 KHz, Voice	5. Dev. \pm 12.5 KHz, Voice
3. Dev. \pm 12.5 KHz, Digitized Voice	6. Dev. \pm 12.5 KHz Digitized voice

Your Para. 2. Description, Digital Modulation:

Min. Data Rate = 4800 symbols/sec. (9,600 bps) @ \pm 12.5 KHz
Max. Data Rate = 9600 symbols/sec. (19,200 bps) @ \pm 25 KHz

Your Para 3. TRANSCEIVER. Please see Form 731 Para 6a. and 8a."Repeater & Radio Base Station". The equipment can be used either as a Base Station or a Repeater, operating over the frequency range of 136-174 MHz.

LABEL: Please see Drawing No. AMX-LA-00985. It shows the label on the case, for easy access and visibility. The individual racks are always shipped in the case and will list channel numbers and maximum power output.

continued....

M. FLOM ASSOCIATES, INC.

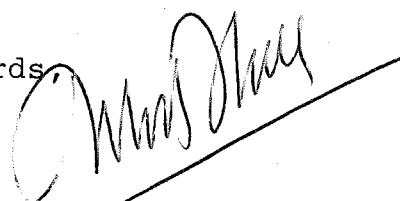
TO: Federal Communications Commission,
PAGE: 2
DATE: October 15, 1999

Your Para. 4. CONFIDENTIALITY: Again we check everything in the file before it is submitted. All documents requiring confidentiality, plus covering letter, are placed in a separate envelope and marked CONFIDENTIAL with the Applicant name, Identifier Code. This application was a paper submission and was prepared according to the instructions from the lab. A copy of the CONFIDENTIALITY letter is attached.

If this application was transferred from 'paper' to 'electronic' by your staff, someone at the lab has 'goofed'.

We trust the foregoing and attached will satisfy the requirements of the Commission and that the Grant will be issued.

Personal regards,



MORTON FЛОM, P. Eng.

mf;mgf
encs.

Via Electronic Filing

cc: Applicant

cc: A2LA Corrective Action file



22 June 1999

Federal Communications Commission
EQUIPMENT APPROVAL SERVICES
PO Box 358315
Pittsburgh, PA 15251-5315

CONFIDENTIAL

Attention: Authorisation and Evaluation Division

Reference: FCC ID: N6FCI00059; Model: DMR-ZONEVA

Pursuant to Sections 0.457 (d)(1)(ii) and 0.459 of the Commission's Rules the Applicant hereby requests confidential treatment of some of the information accompanying this Application, as listed below:

1. Circuit and Schematic diagrams; Ref: Paragraph 2.983 (d)(7)

	Doc. Number	Issue
Transceiver Module RF Card	AMX-CD-00948	1.01
Tranceiver Module Digital Card	AMX-CD-00528	3.00
PA Module	AMX-CD-00954	2.01
Controller Module	AMX-CD-00633	2.00
Interface Module	AMX-CD-01033	1.02
4W Card	AMX-CD-01034	1.00

These materials are trade secrets and proprietary information not customarily released to the public. The public disclosure of these matters might be harmful to the Applicant and provide unjustified benefits to its competitors.

The Applicant understands that pursuant to Rule 0. 457 (d)(1)(ii), disclosure of the Application and all accompanying documentation will not be made before the date of the Grant for this Application.

Sincerely,
ADI Limited Systems Group

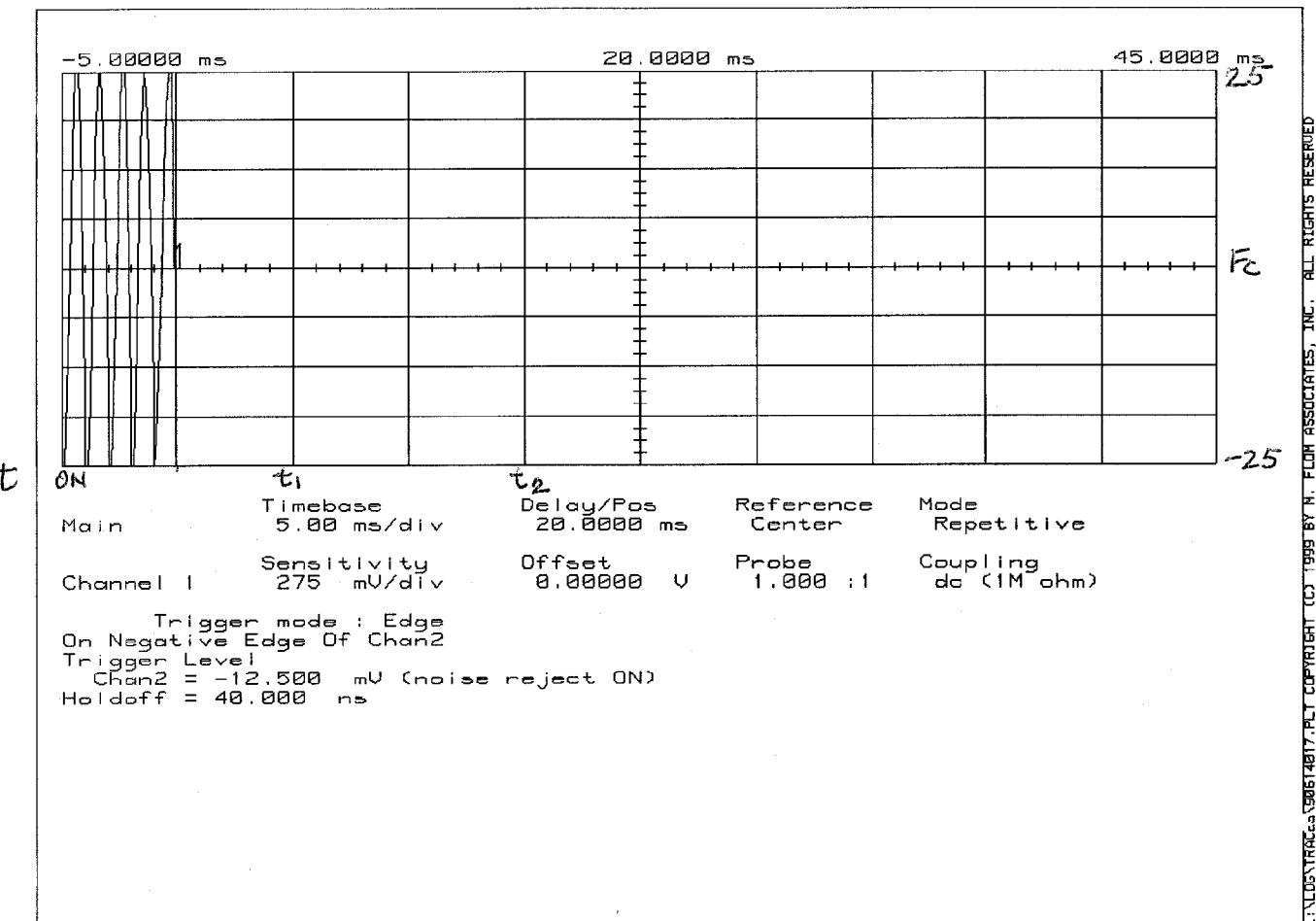
S.Tucker
22 Jun 99

Steve Tucker
Engineering Manager

OSCILLOSCOPE PRESENTATION
ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
1999-JUN-14, 16:27, MON

MODULATION: Ref Gen=25 kHz Deviation
REMARK: CARRIER ON TIME

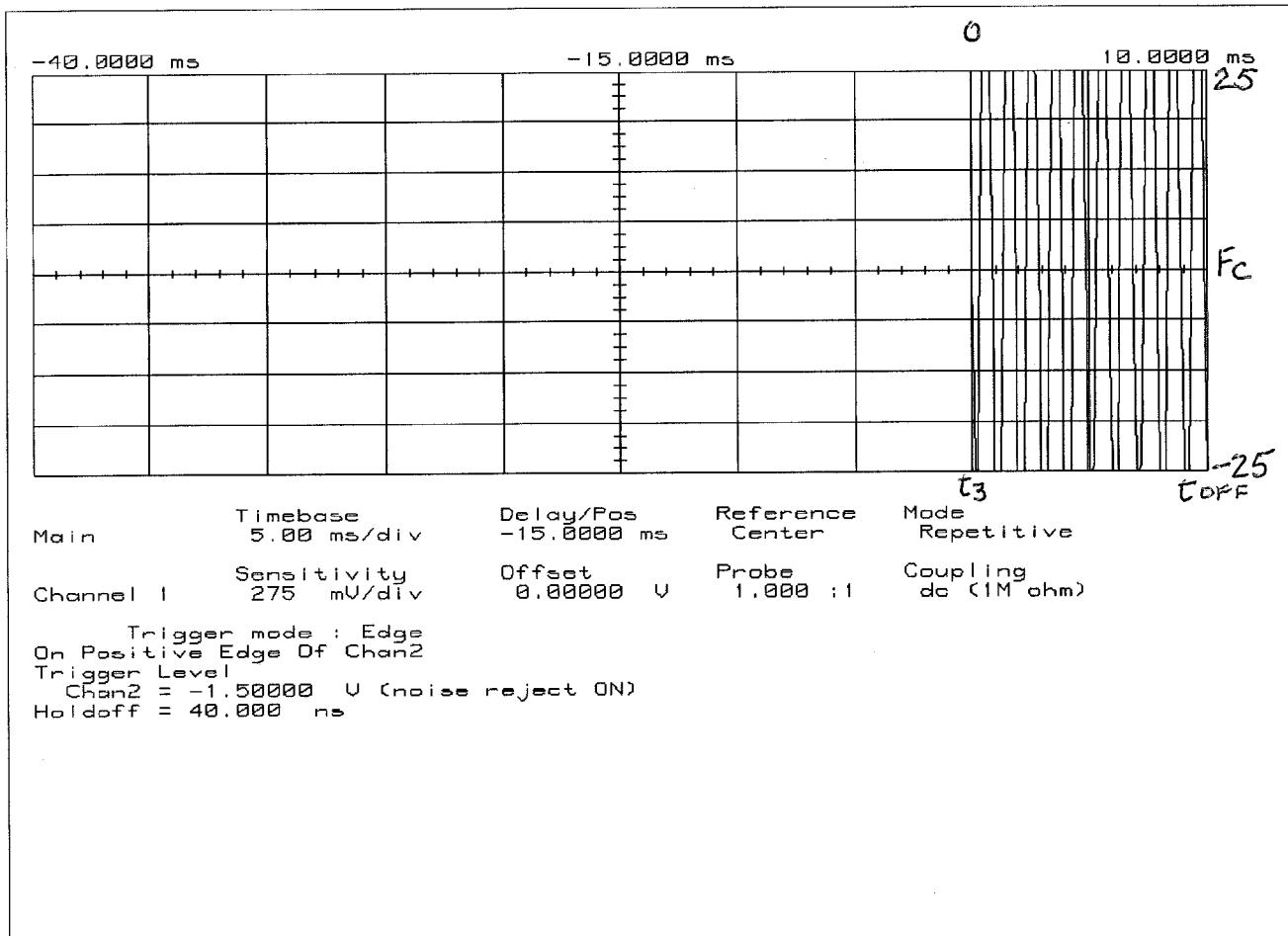
VOICE



OSCILLOSCOPE PRESENTATION
ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
1999-JUN-14, 16:41, MON

MODULATION: Ref Gen=25 kHz Deviation
REMARK: CARRIER OFF TIME

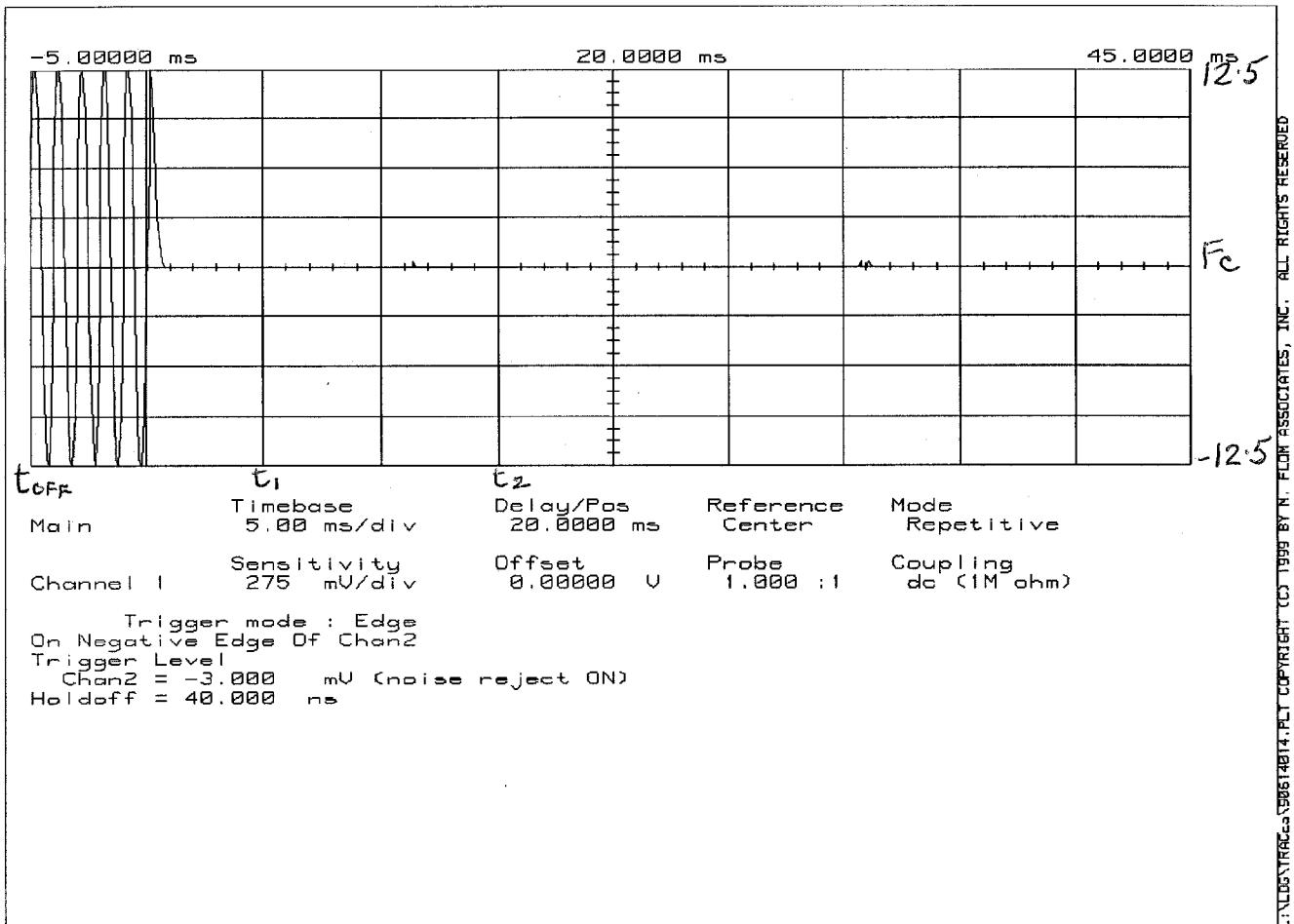
VOICE



3
OSCILLOSCOPE PRESENTATION
ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
1999-JUN-14, 16:09, MON

MODULATION: Ref Gen=12.5 kHz Deviation
REMARK: CARRIER ON TIME

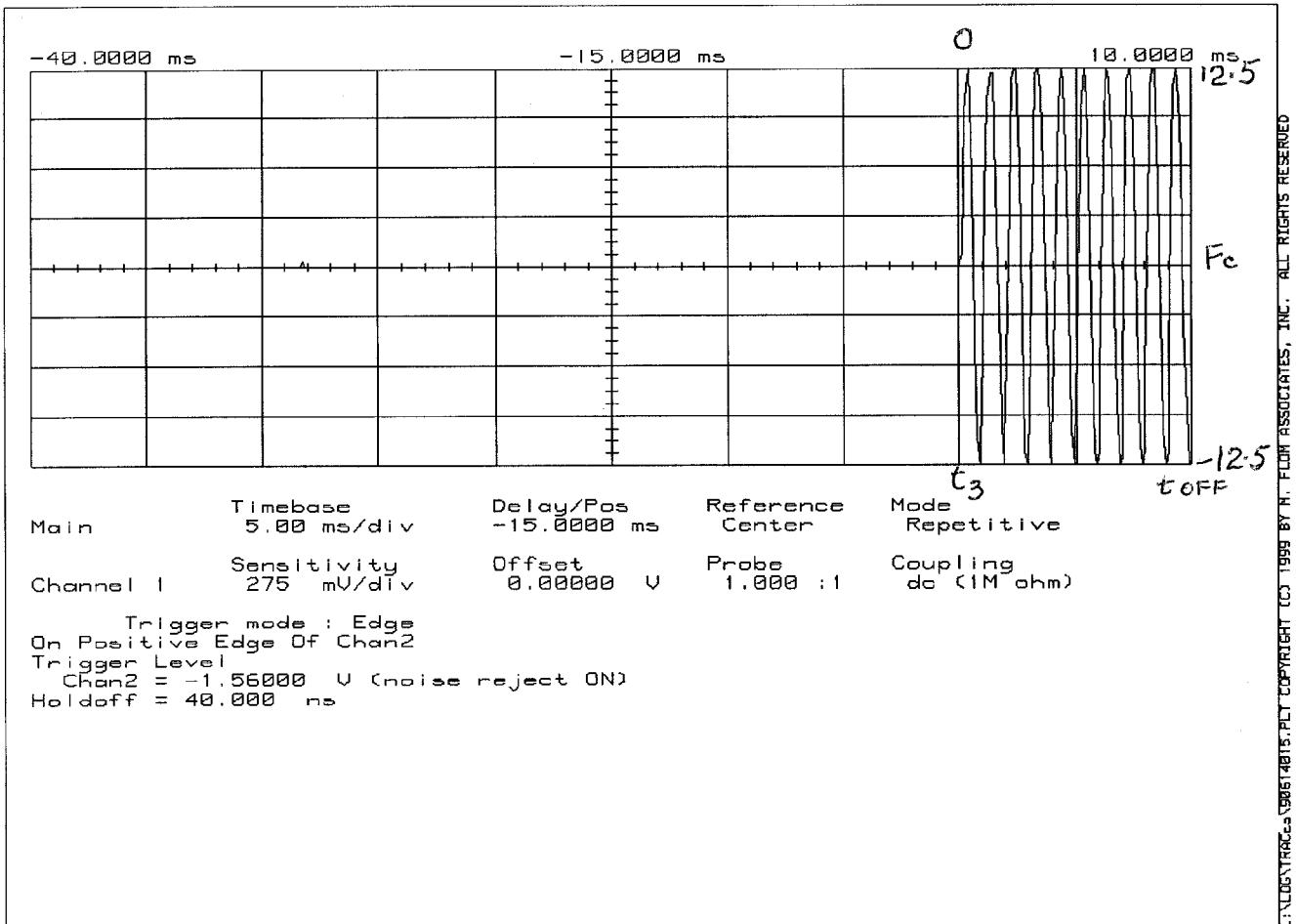
VOICE



4
OSCILLOSCOPE PRESENTATION
ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
1999-JUN-14, 16:21, MON

MODULATION: Ref Gen=12.5 kHz Deviation
REMARK: CARRIER OFF TIME

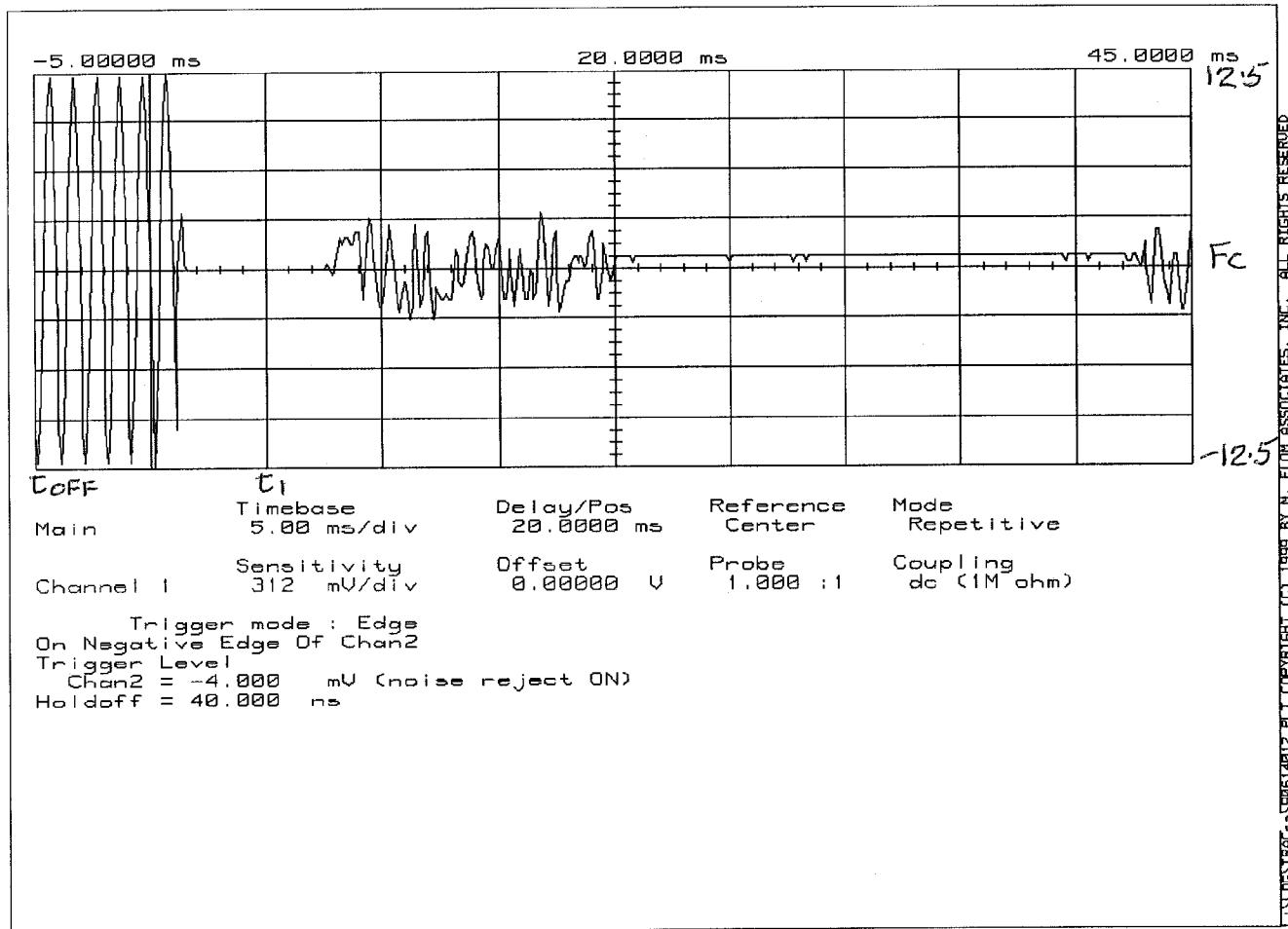
VOICE



5
OSCILLOSCOPE PRESENTATION
ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
1999-JUN-14, 15:56, MON

MODULATION: Ref Gen=12.5 kHz Deviation
REMARK: CARRIER ON TIME

DIGITIZED VOICE



t_{off} t_1
Main Timebase 5.00 ms/div Delay/Pos 20.0000 ms Reference Center Mode
Sensitivity 312 mV/div Offset 0.00000 V Probe 1.000 : 1 Repetitive
Channel 1 Coupling dc (1M ohm)

Trigger mode : Edge
On Negative Edge Of Chan2
Trigger Level
Chan2 = -4.000 mV (noise reject ON)
Holdoff = 40.000 ns

OSCILLOSCOPE PRESENTATION
 ADI LIMITED SYSTEMS GROUP, DMR-ZoneVa
 1999-JUN-14, 16:06, MON

MODULATION: Ref Gen=12.5 kHz Deviation
 REMARK: CARRIER OFF TIME

DIGITIZED VOICE

