



UltraTech
Engineering Labs Inc.

Transmitter Transient Response Measurements

Date: 06 DEC 1999

Company Name: TECHNISONIC

Product Tested: DIGITAL VHF/FM TRANSCEIVER

Model No: TD FM-136

S/N: _____

Tested By: _____

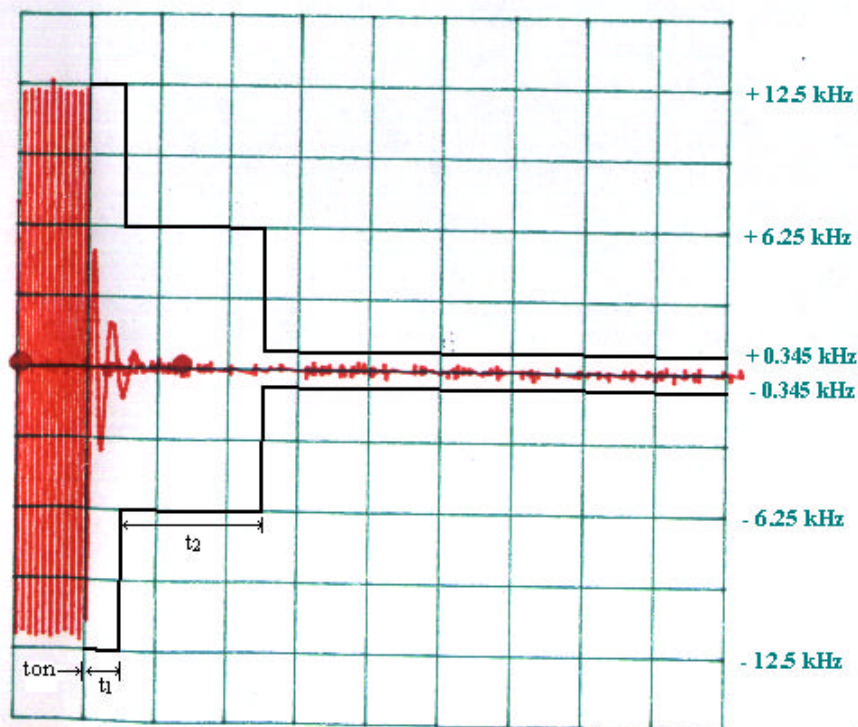
FCC ID: _____

Temp: _____ RH: _____

12.5 KHZ CHANNEL SPACING, NO MODULATION

Transmitter ON Transient Response

10: 30: 39 99 Dec 03



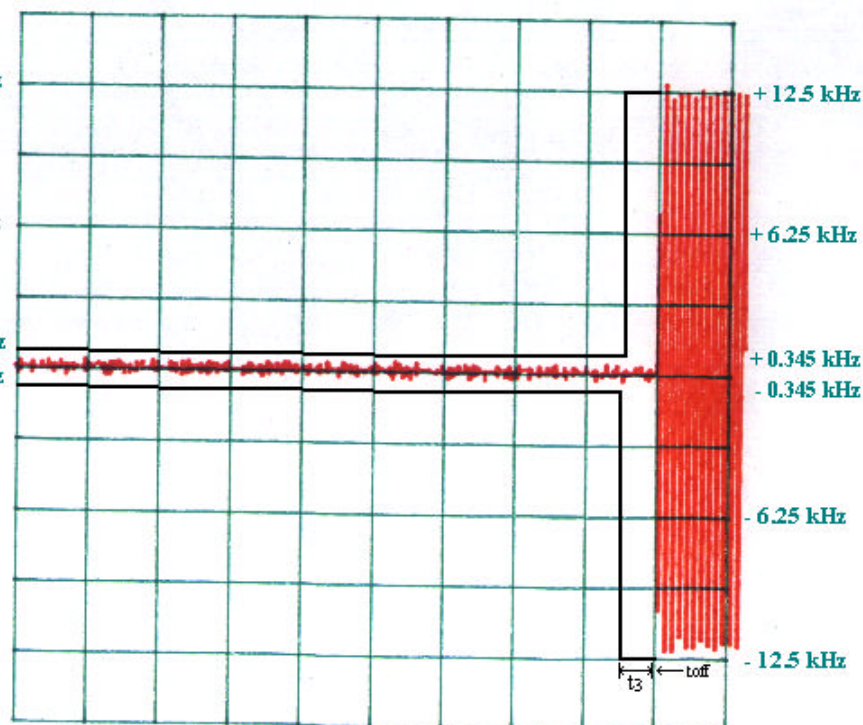
REGO A~ 316mV
B: 200mV

T: 10ms REC AC
D: - 1DIV X EXT

99-12-03

Transmitter OFF Transient Response

10: 30: 39 99 Dec 05



REGO A~ 312mV + 0mV T: 10ms REC DCLF
B: 20mV + 0mV D: - 9DIV \ B

99-12-05

10: 28: 28



UltraTech

Engineering Labs Inc.

Transmitter Transient Response Measurements

Date: 06 DEC 1999

Company Name: TECHNIDNIC

Product Tested: DIGITAL VHF/FM TRANSCEIVER

Model No: DEM-136

S/N: _____

Tested By: HT

FCC ID: _____

Temp: 21°C RH: 40%

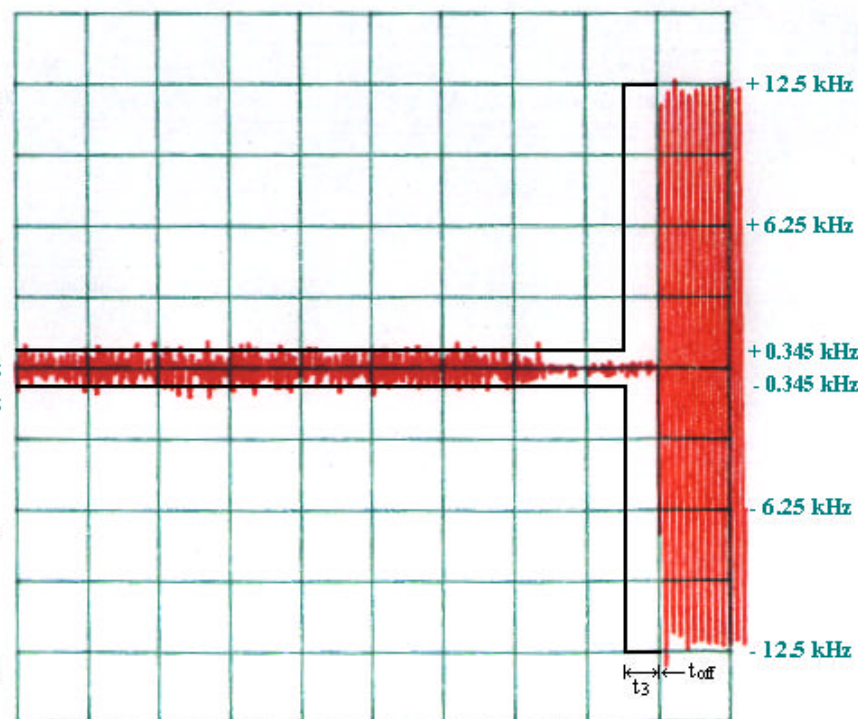
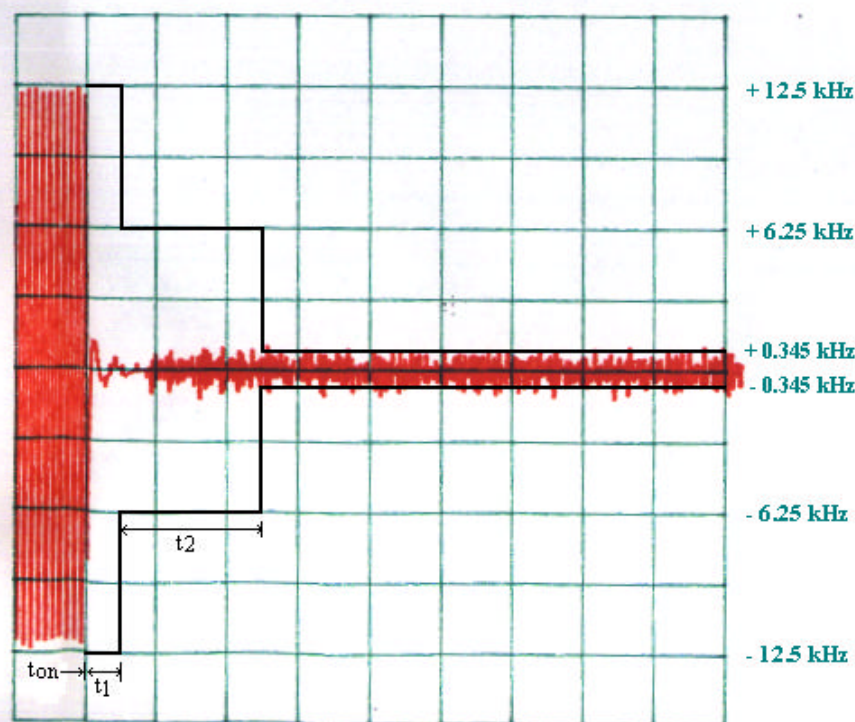
12.5 kHz CHANNEL SPACING, FM DATA MODULATION (9600 b/s RANDOM DATA SOURCE, FREQ DEV. 1.2 kHz)

Transmitter ON Transient Response

13: 18: 59 99 Dec 03

Transmitter OFF Transient Response

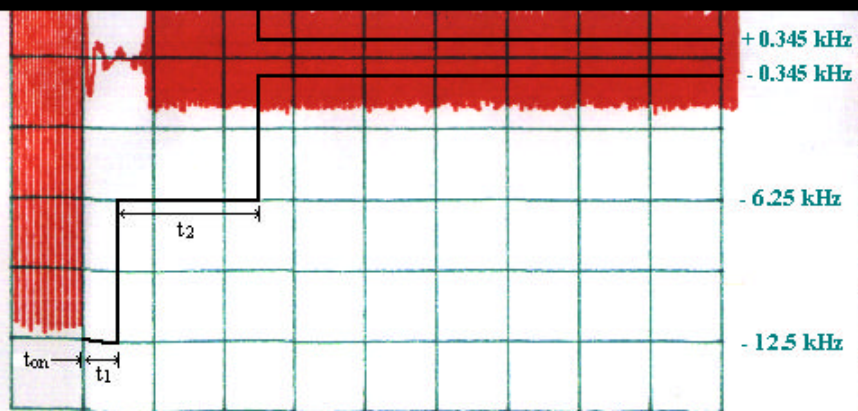
10: 57: 39 99 Dec 06



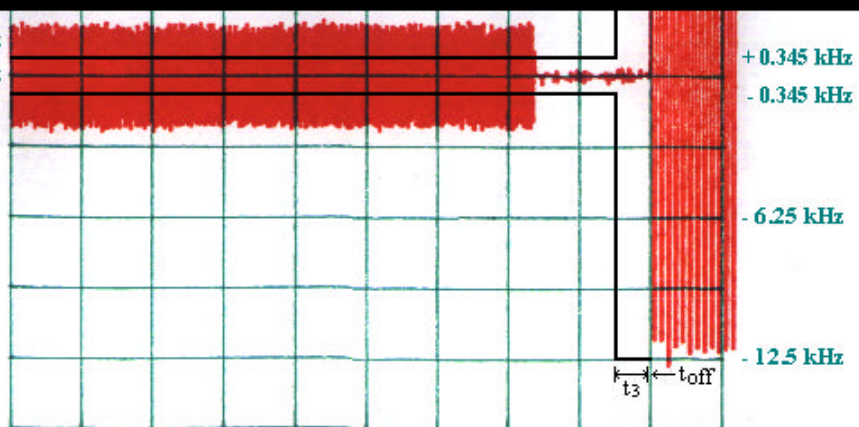
REGO A~ 316mV
B: 200mV

T: 10ms REC AC 99-12-03
D: - 1DIV X EXT

REGO A~ 312mV + 0mV T: 10ms REC DCLF 99-12-06
B: 20mV + 0mV D: - 50DIV \ B 10: 55: 27



REG0 A: 316mV T: 10ms REC AC 99-12-03
 B: 200mV D: - 1DIV X EXT



REG0 A: 312mV + 0mV T: 10ms REC DCLF 99-12-08
 B: 20mV + 0mV D: - 9DIV \ B 11:08:11



UltraTech
Engineering Labs Inc.

Transmitter Transient Response Measurements

Date: 06 DEC 1999

Company Name: TECHNISONIC

Product Tested: DIGITAL VHF/EM TRANSCIVER

Model No: TDEM-136

S/N: _____

Tested By: HT

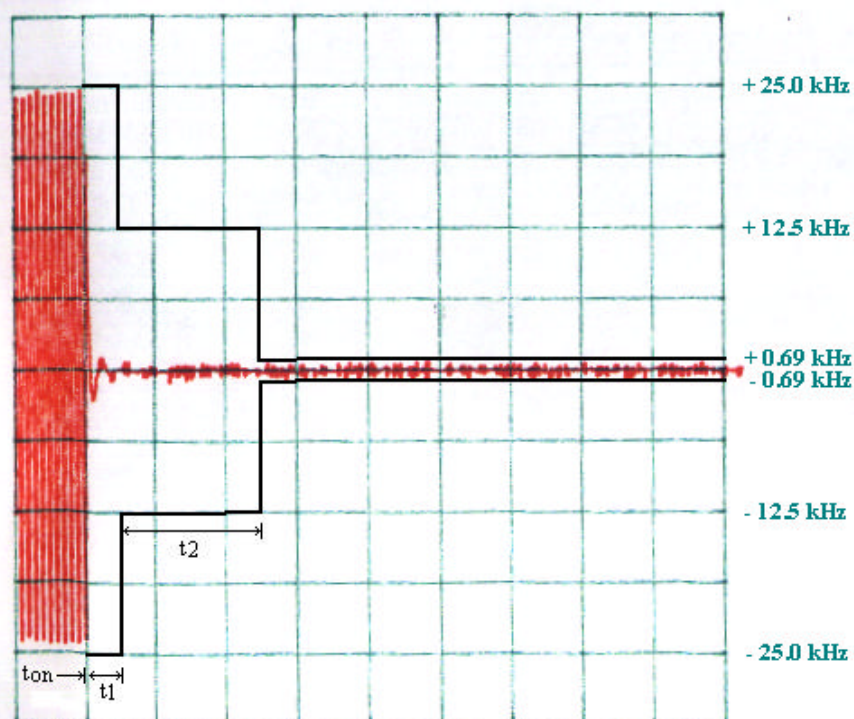
FCC ID: _____

Temp: 21°C RH: 40%

25 KHZ CHANNEL SPACING, NO MODULATION

Transmitter ON Transient Response

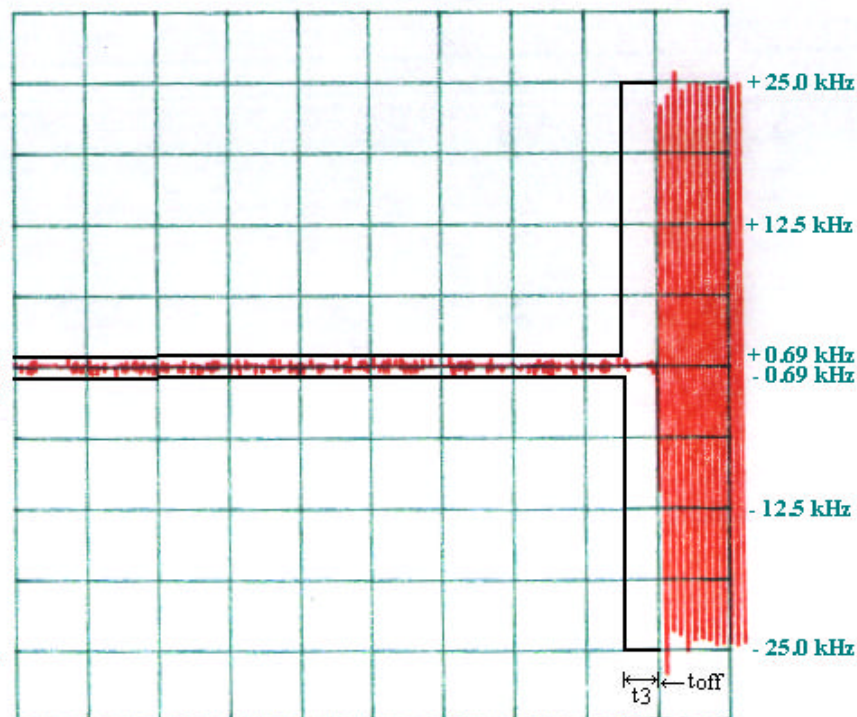
11: 16: 30 99 Dec 03



REG0 A~ 802mV + 0mV T: 10ms REC AC 99-12-03
B: 200mV + 0mV D: - 1DIV X EXT

Transmitter OFF Transient Response

11: 16: 42 99 Dec 06



REG0 A~ 599mV + 0mV T: 10ms REC DCLF 99-12-06
B: 20mV + 0mV D: - 9DIV \ B 11: 16: 08



UltraTech

Engineering Labs Inc.

Transmitter Transient Response Measurements

Date: 06 DEC 99

Company Name: TECHNISONIC

Product Tested: DIGITAL VHF/FM TRANSCEIVER

Model No: TDFM-136

S/N: _____

Tested By: HT

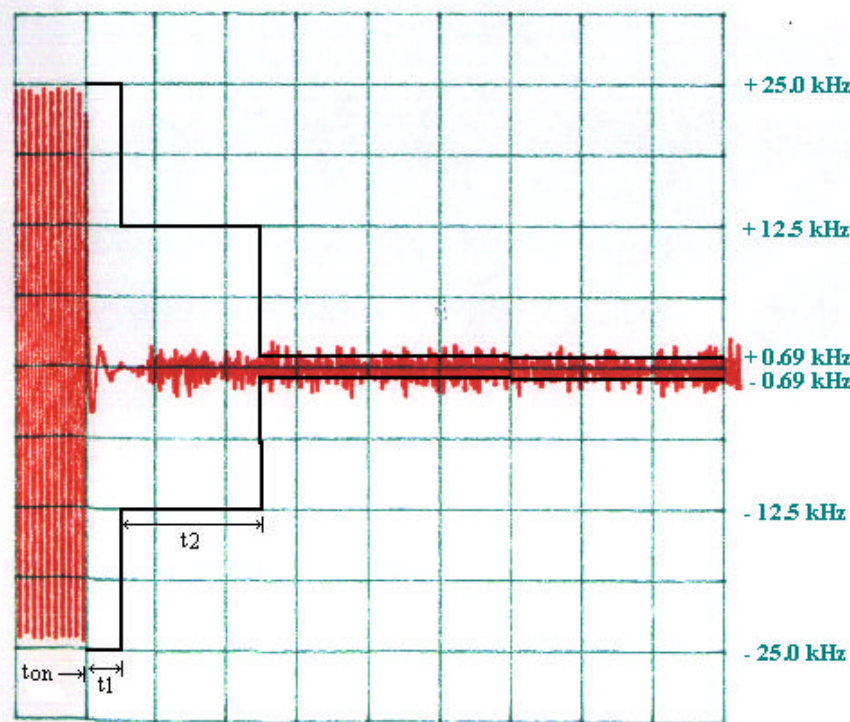
FCC ID: _____

Temp: 21°C RH: 40%

25 kHz CHANNEL SPACING, FM DATA MODULATION (9600 b/s RANDOM DATA SOURCE, FREQ. DEV. 1.2 kHz)

Transmitter ON Transient Response

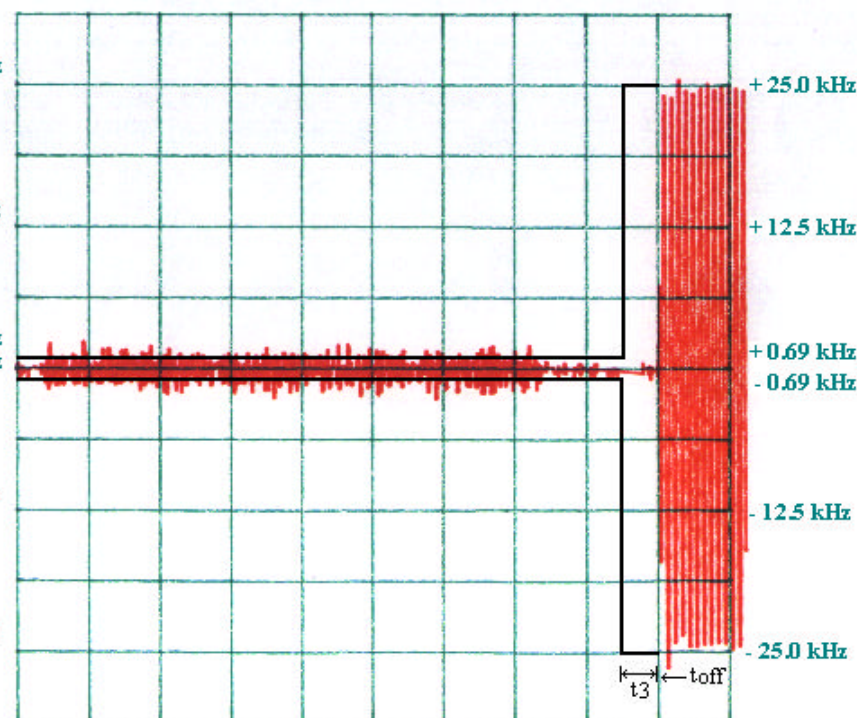
11: 55: 20 99 Dec 03



REGO A~ 802mV + 0mV T: 10ms REC AC 99-12-03
B: 200mV + 0mV D: - 1DIV X EXT

Transmitter OFF Transient Response

11: 26: 12 99 Dec 06



REGO A~ 599mV + 0mV T: 10ms REC DCLF 99-12-06
B: 20mV + 0mV D: - 9DIV \ B 11: 24: 15



UltraTech
Engineering Labs Inc.

Transmitter Transient Response Measurements

Date: 06 DEC 99

Company Name: TECHNISONIC

Product Tested: DIGITAL VHF/UHF TRANSCEIVER

Model No: TDFM-136

S/N: _____

Tested By: HT

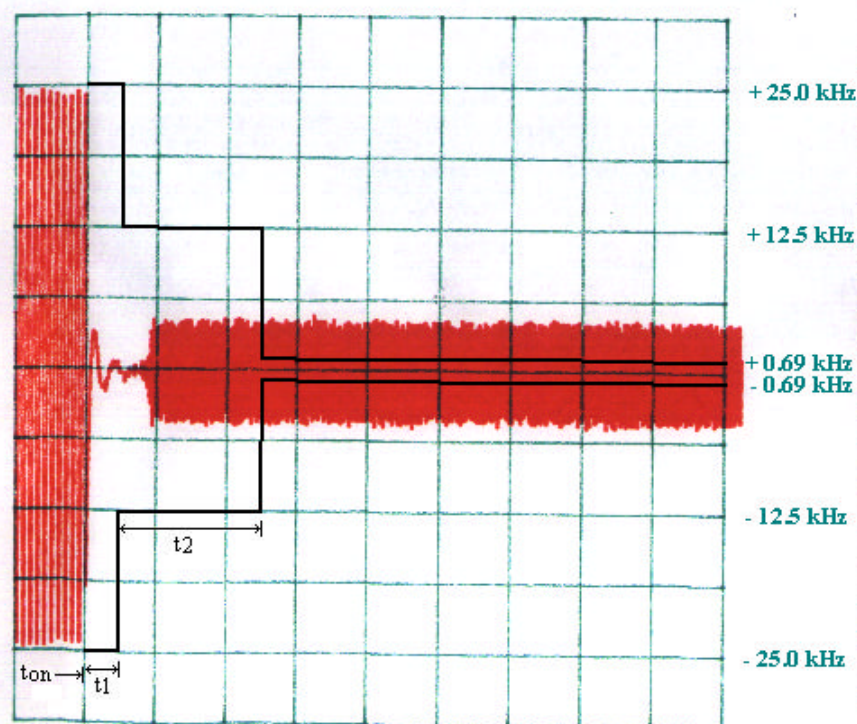
FCC ID: _____

Temp: 21°C RH: 40%

2.5 KHZ CHANNEL SPACING, FM VOICE MODULATION (2.5 KHZ, FREQ DEV: ± 1.8 KHz)

Transmitter ON Transient Response

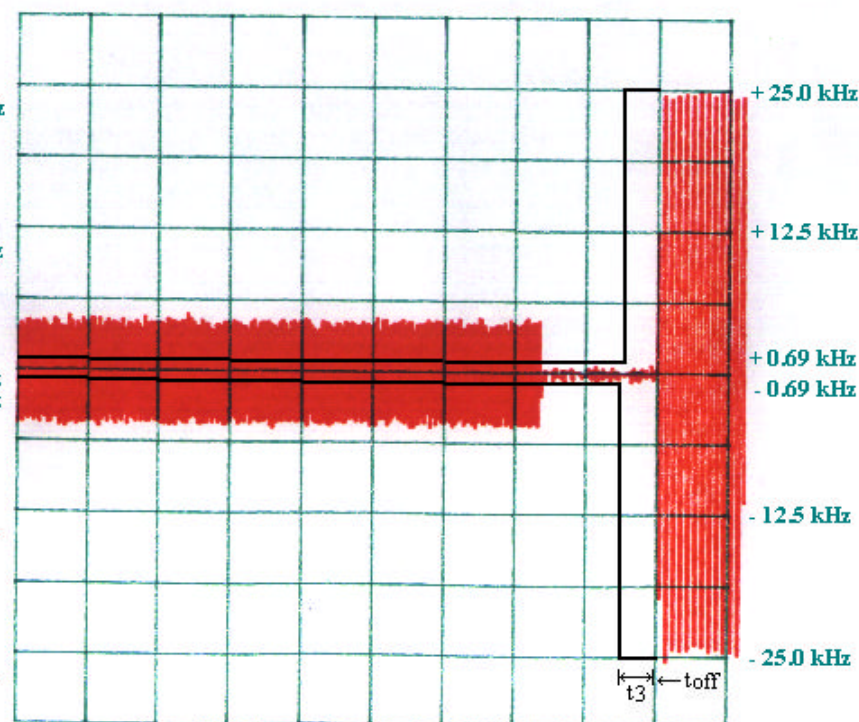
11: 39: 42 99 Dec 03



REG0 A~ 602mV + 0mV T: 10ms REC AC 99-12-03
B: 200mV + 0mV D: - 1DIV X EXT

Transmitter OFF Transient Response

11: 21: 47 99 Dec 06



REG0 A~ 599mV + 0mV T: 10ms REC DCLF 99-12-06
B: 20mV + 0mV D: - 9DIV \ B 1: 18: 42