

ROGERS LABS, INC.

4405 West 259th Terrace
Louisburg, KS 66053
Phone / Fax (913) 837-3214

TEST REPORT ADDENDUM

For

APPLICATION of CERTIFICATION

For

TEKK Incorporated
226 NW Parkway
Kansas City, MO 64150

Steve Dinsmore,
National Sales Manager

MODEL: NT-80
VHF TRANSCEIVER
FREQUENCY: 146-174 MHz

FCC ID: GOXNT80

Test Date: May 8, 2000

Certifying Engineer: *Scot D Rogers*
Scot D. Rogers
ROGERS LABS, INC.
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FORWARD:

In accordance with the Federal Communications Code of Federal Regulations, dated October 1, 1998, Part 2 Subpart J, Paragraphs 2.907, 2.911, 2.913, 2.915, 2.925, 2.926, 2.1031 through 2.1057, applicable paragraphs of Parts 15, 22, 74, 90 and 97, and FCC document FCC98-58, the following is submitted:

Transient Frequency Behavior, Per 90.214

PRODUCT NAME: 5 WATT HAND-HELD RADIO,
Model: NT-80.

REQUIREMENTS:

When a transmitter is turned on, the radio frequency may take some time to stabilize. During this initial period, the frequency error must not exceed the limits specified in 90.214.

Minimum Standard

Transient Behavior for Equipment Designed to Operate on 25 kHz Channels			
Time Intervals	Maximum Frequency Difference (kHz)	Frequency Range	
		138-174 MHz	406.1-470 MHz
t ₁	± 25	5 mS	10 mS
t ₂	± 12.5	20 mS	25 mS
t ₃	± 25	5 mS	10 mS

Transient Behavior for Equipment Designed to Operate on 12.5 kHz Channels			
Time Intervals	Maximum Frequency Difference (kHz)	Frequency Range	
		138-174 MHz	406.1-470 MHz
t ₁	± 12.5	5 mS	10 mS
t ₂	± 6.25	20 mS	25 mS
t ₃	± 12.5	5 mS	10 mS

POWER INPUT:

7.5 Vdc Battery

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MODEL: NT-80 VHF Transceiver

Test #:000403

Test to: FCC Parts 2,15,22,74,90 and 97

FCC ID#: GOXNT80

SN:2

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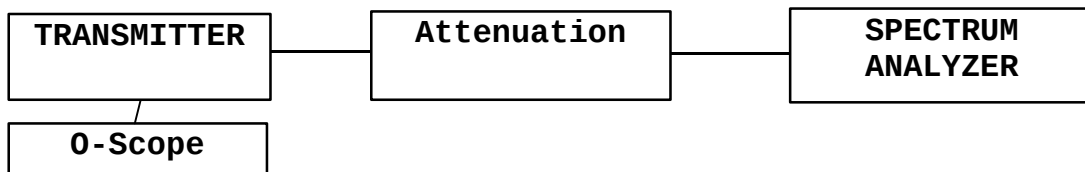
TEST EQUIPMENT:

- Tektronix Digital Storage Oscilloscope, Model 2230, S/N: 2230 B012508.
- Hewlett Packard Spectrum Analyzer, Model 8591EM, S/N: 3628A00871, Frequency Range 9 kHz to 1.8 GHz.
- EMC0 20 dB Attenuator, 50 Ohm IN/OUT.

METHOD OF MEASUREMENTS:

As recommended, the method given in ETA/TIA standard 603, was used. Refer to figures 7 through 10 for plots showing the transient behavior of the transmitter.

TEST ARRANGEMENT:



MEASUREMENT DATA:

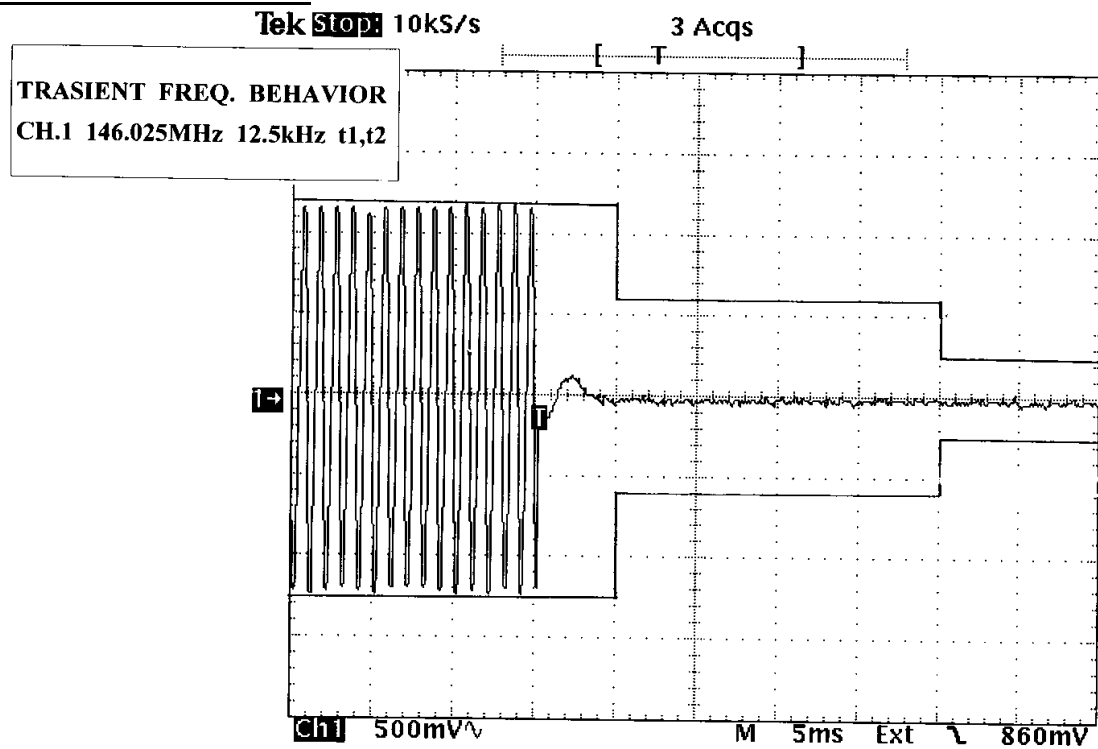


Figure 1, Transient Behavior of Transmitter (12.5 kHz)

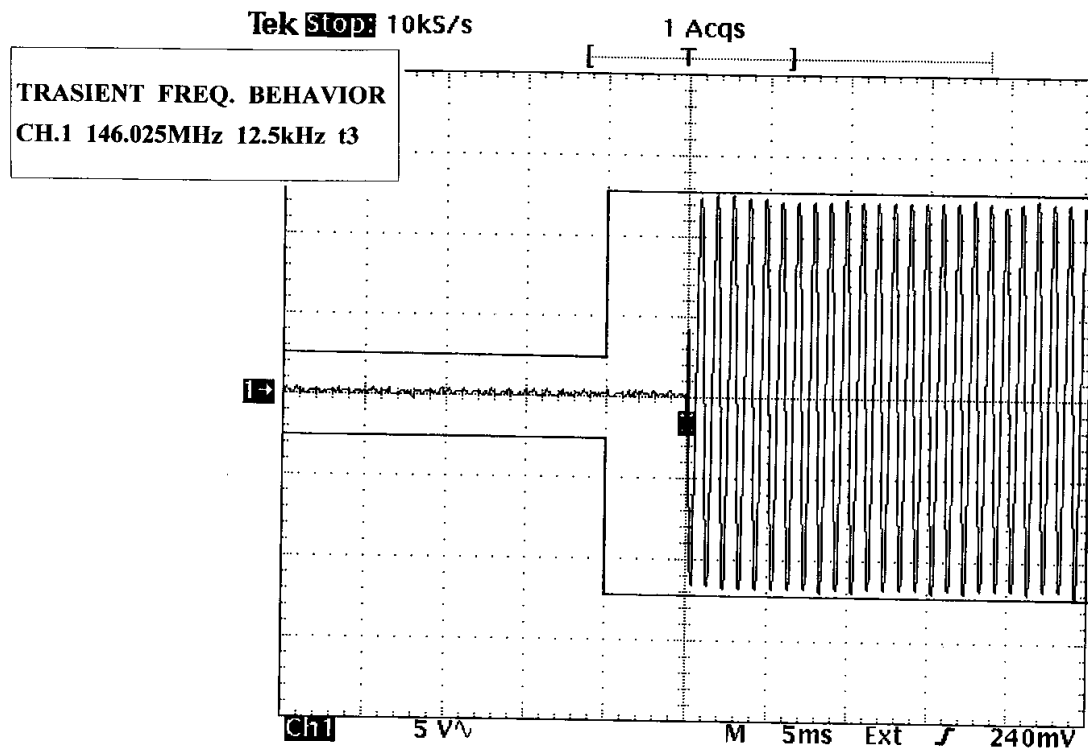


Figure 2, Transient Behavior of Transmitter (12.5 kHz)

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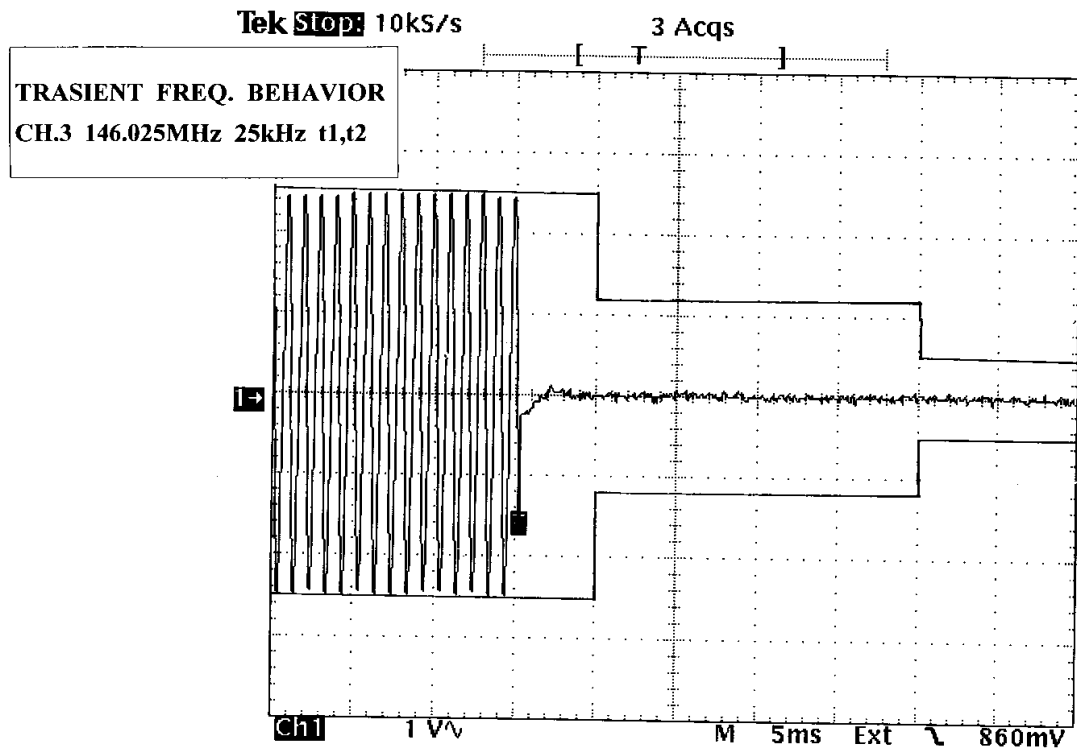


Figure 3, Transient Behavior of Transmitter (25 kHz)

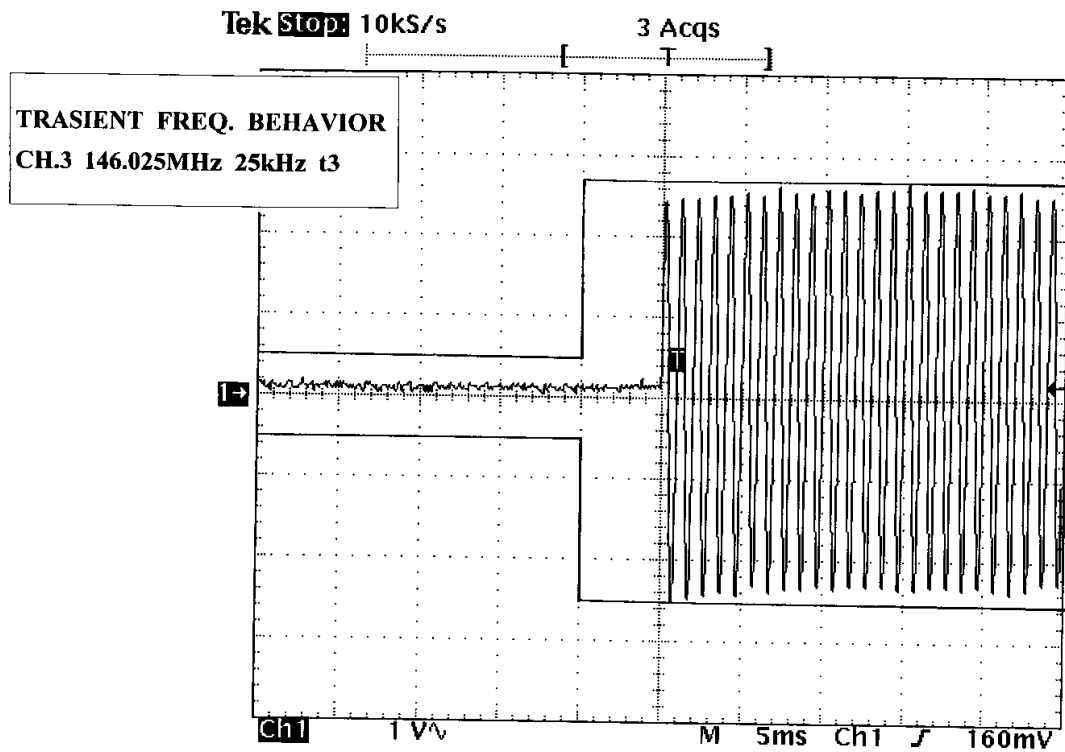


Figure 4, Transient Behavior of Transmitter (25 kHz)