ROGERS LABS, INC.

4405 West 259th Terrace
Louisburg, KS 66053
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TEST REPORT ADDENDUM

For

APPLICATION of CERTIFICATION

For

Telson Information & Communications Co., LTD
356-5, GASAN-DONG, KUM CHEUN-KU
SEOUL 153-023, KOREA
And
TEKK Incorporated
226 NW Parkway
Kansas City, MO 64150

Steve Dinsmore,
National Sales Manager
Phone: 1 800-521-8355

MODEL: NT-10
VHF TRANSCEIVER
FREQUENCY: 146-174 MHz

FCC ID: OBANT-10

Test Date: May 18, 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, 1999, 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, the following is submitted:

Transient Frequency Behavior, Per 90.214

PRODUCT NAME: 5 WATT HAND-HELD RADIO,
Model: NT-10.

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

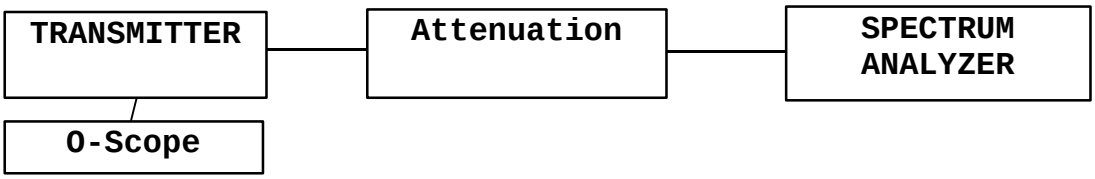
TEST EQUIPMENT:

- 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.
- EMCO 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:

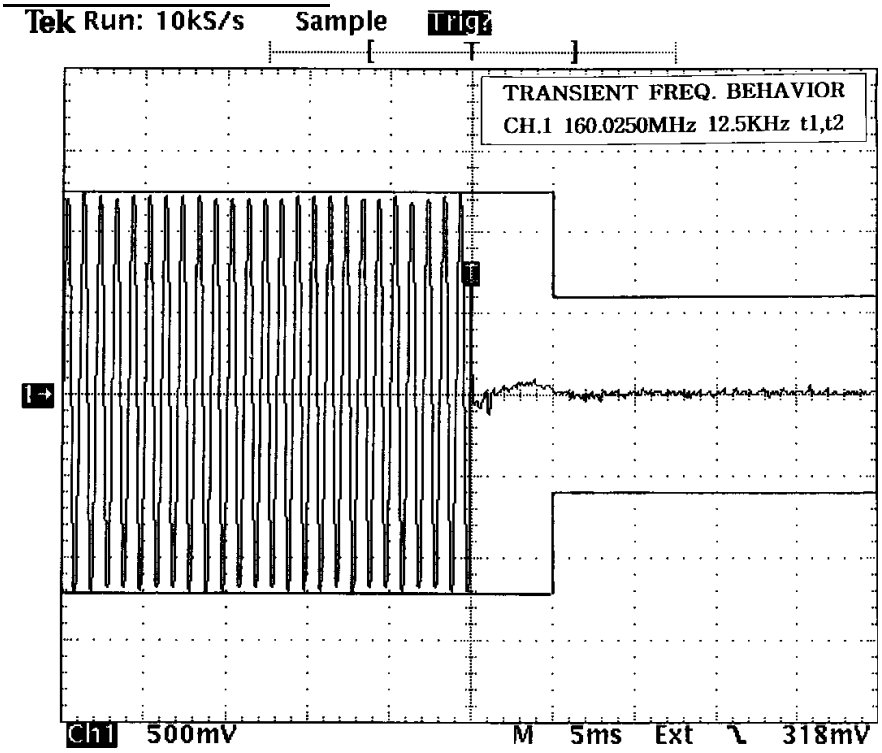


Figure 1, Transient Behavior of Transmitter (12.5 kHz)

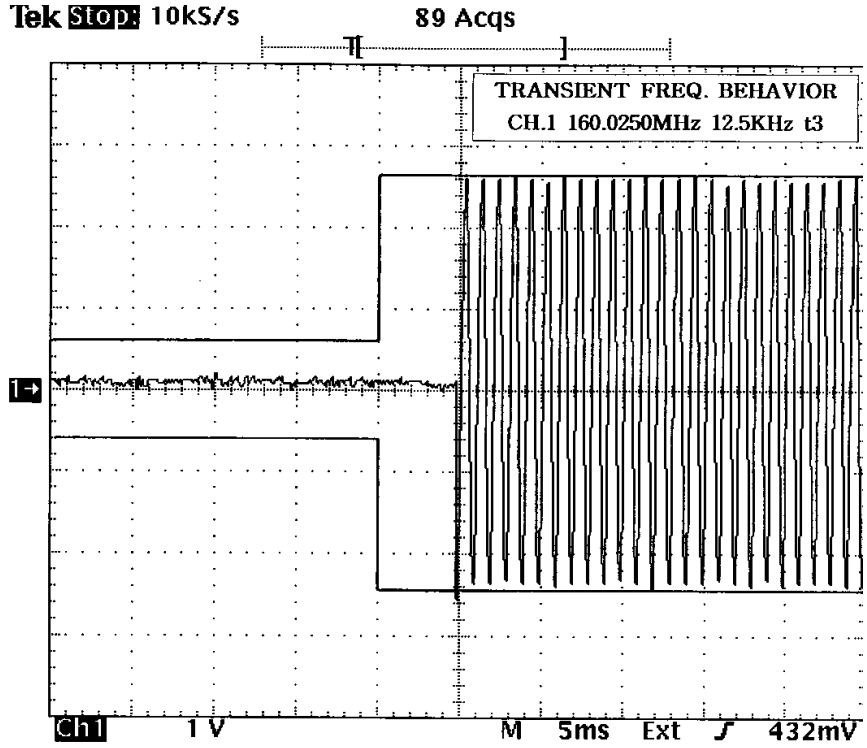


Figure 2, Transient Behavior of Transmitter (12.5 kHz)

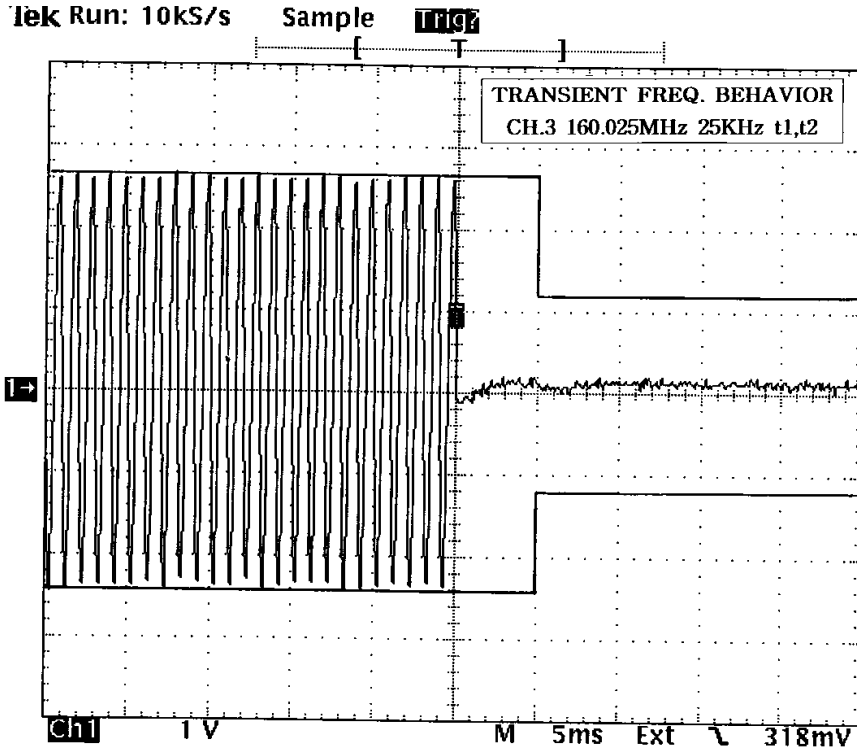


Figure 3, Transient Behavior of Transmitter (25 kHz)

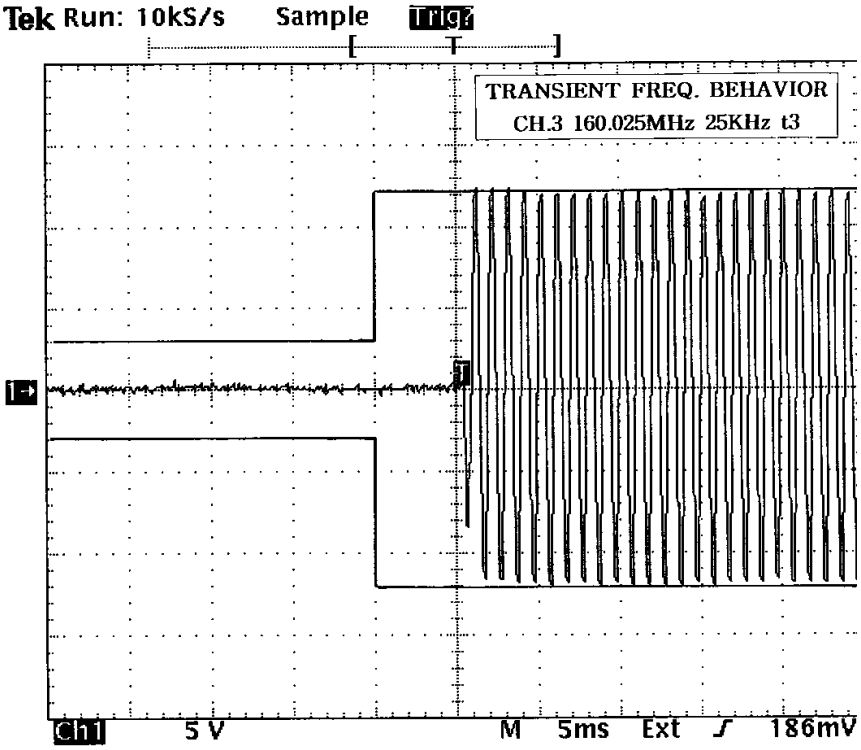


Figure 4, Transient Behavior of Transmitter (25 kHz)