

Transient Frequency Behavior – 90.214

ACS Project: 03-0102

Manufacturer: Kantronics

EUT Model: TALNON – UDC

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Date: July 18, 2003

Requirement

Transmitters designed to operate in the 150–174 MHz and 421–512 MHz frequency bands must maintain transient frequencies within the maximum frequency difference limits during the time intervals indicated:

Transient Frequency Behavior for Equipment Designed to Operate on 12.5 kHz Channels

t_1^4	± 12.5 kHz	5.0 ms	10.0 ms
t_2	± 6.25 kHz	20.0 ms	25.0 ms
t_3^4	± 12.5 kHz	5.0 ms	10.0 ms

Test Method

TIA 603-A Section 2.2.19 was the guiding document for this test.

Test Equipment

Mfg.	Eq. Type	Model	Cal. Due
Hewlett Packard	Modulation Analyzer	8901B	6/16/04
Hewlett Packard	Direction Coupler	77B	5/22/04
Tektronix	Oscilloscope	2432A	8/27/03
Fluke	Signal Generator	6082A	6/17/2004
Weinshell	Attenuator	46-30-34	5/28/04

Test Results

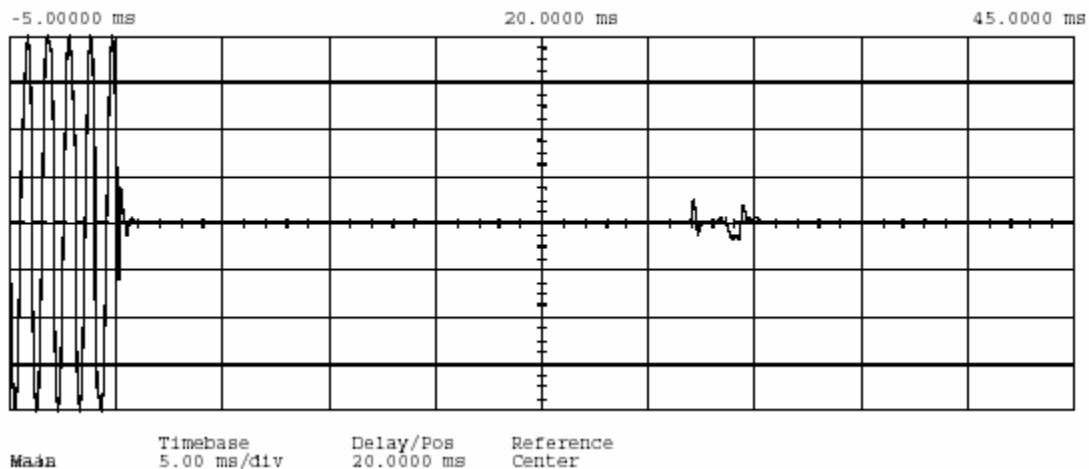


Figure 1: 12.5kHz - Switch on representation

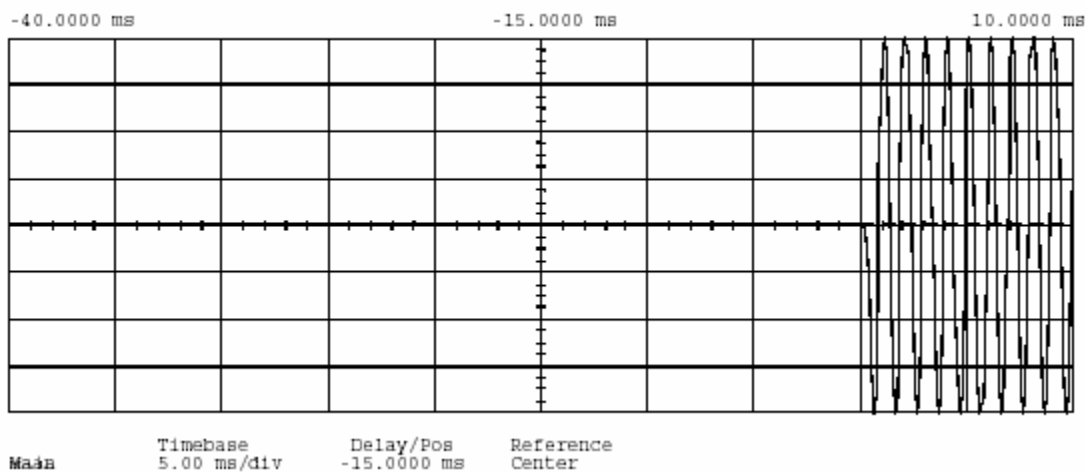


Figure 2: 12.5kHz - Switch off representation

