



**TEST REPORT
FOR
IEC 61643-1 (7.5.3)
(SURGE IMMUNITY TEST)**

Report No.: 11-01-MAS-055-03

Client: JD Auspice Co., Ltd.
Product: DC Surge Protective Device
Model No.: PV40/***-MVCR
Comment Issues: N/A
Manufacturer/supplier: JD Auspice Co., Ltd.
Serial Voltage: 500Vdc / 600Vdc

Date test item received: 2011/01/07
Date test campaign completed: 2011/02/09
Date of issue: 2011/02/09

The test result only corresponds to the tested sample. It is not permitted to copy this report, in part or in full, without the permission of the test laboratory.

Total number of pages of this test report: 10 pages

Test Engineer

Yi-hone Cheng

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Checked By

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Laboratory Introduction: Electronics Testing Center, Taiwan is recognized, filed and mutual recognition arrangement as following:

- ① ISO9001: TÜV Product Service
- ② ISO/IEC 17025: BSMI, CNLA, DGT, NVLAP, CCIBLAC, UL, Compliance
- ③ Filing: FCC, Industry Canada, VCCI
- ④ MRA: Australia, Hong Kong, New Zealand, Singapore, USA, Japan, Korea, China, APLAC through CNLA
- ⑤ FCC Registration Number: 90588, 91094, 91095

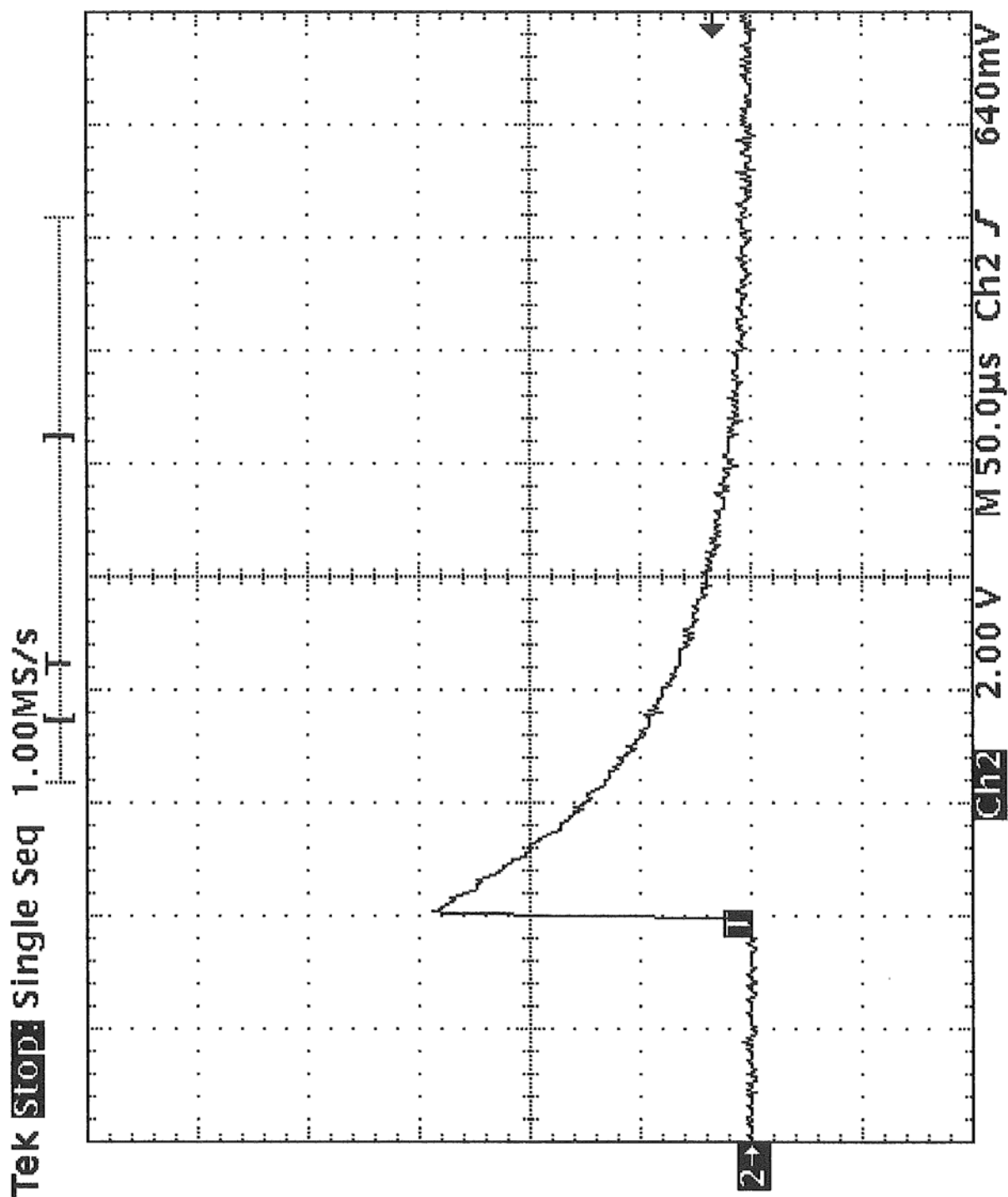
SURGE IMMUNITY TEST

Test Date: Jan. 21, 2011

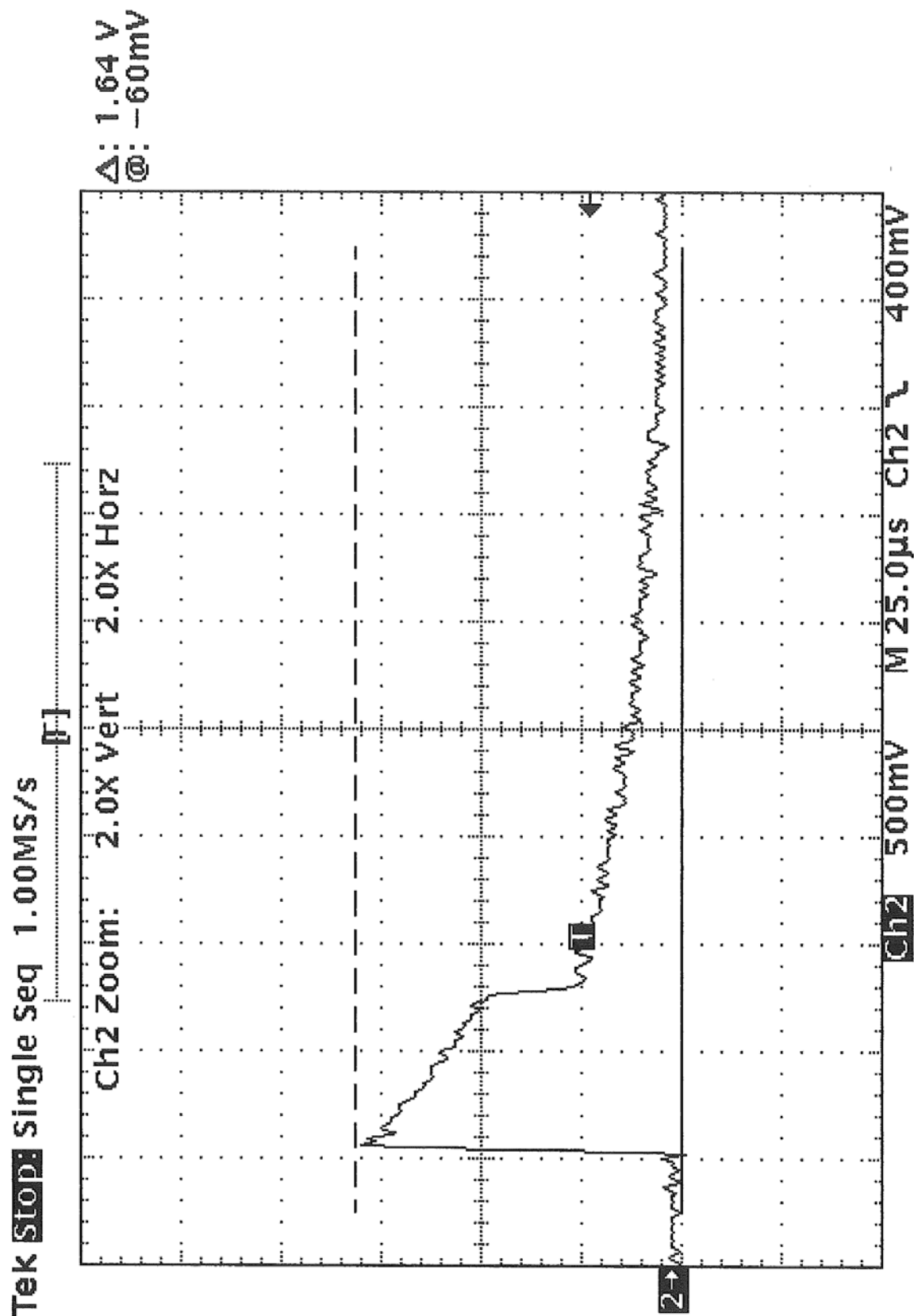
Test Specification	IEC61643-1 (7.5.3)		
Test Equipment			
Lightning Surge Simulator \ Noiseken \ LSS-15AX Voltage Probe \ Tektronix \ P6015A Oscilloscope \ Tektronix \ TDS784A			
Climatic Condition	Ambient Temperature: <u>15</u> °C		Relative Humidity: <u>65</u> %RH
	Atmospheric Pressure: <u>993</u> mbar		
Test Set-up	Table-top Equipment		
Operating Conditions of The Device		Static Mode	

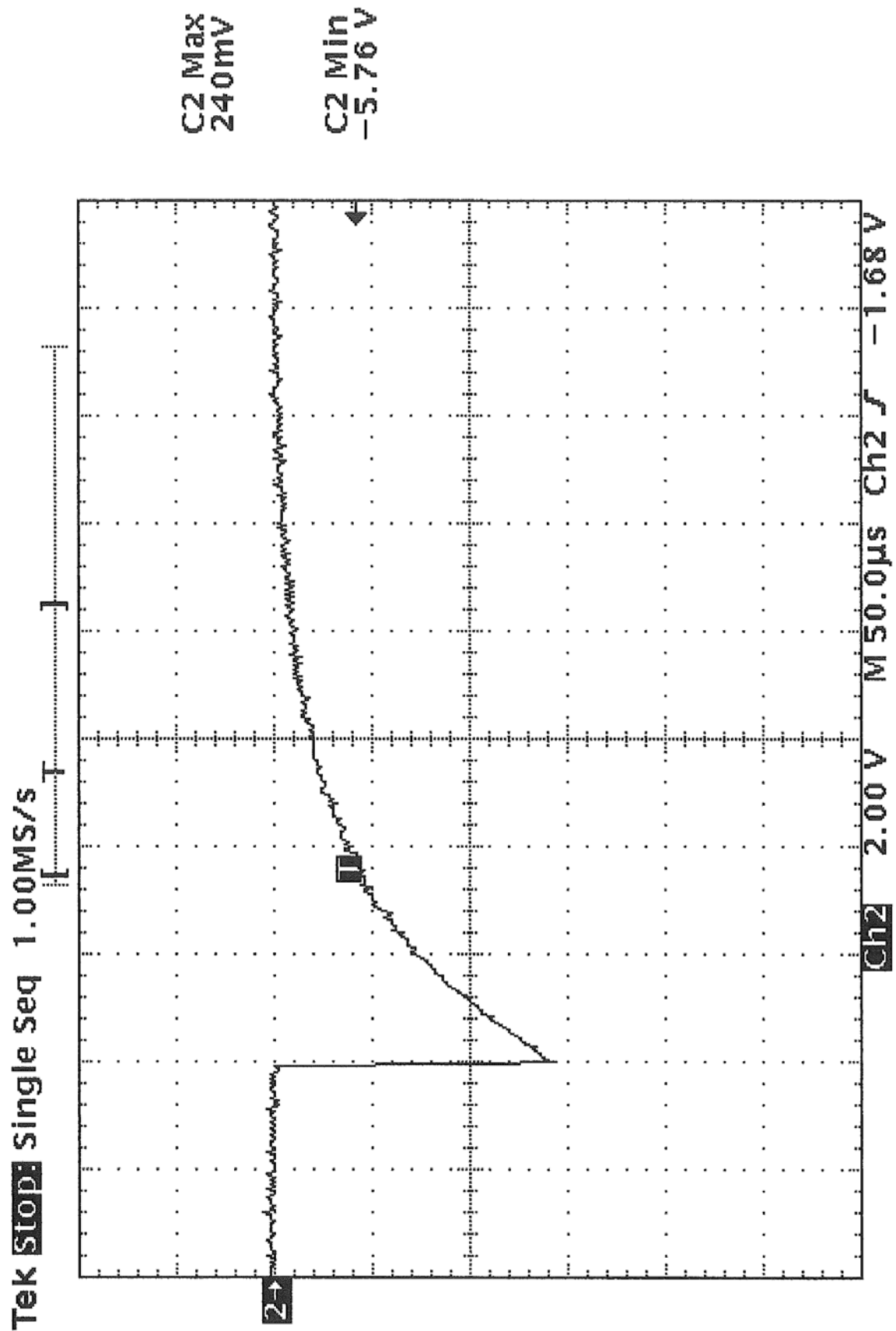
Waveform: 1.2/50 μ s(8/20 μ s)		Repetition rate: <u>60</u> sec	Times: <u>5</u> times/each condition
\Mode \Voltage \Polarity \Result		Surge HOT: Device Input	Surge COM: Device Output
6.0 kV	+	A	
	-	A	
0.9kV ~ 15.0 kV Step:10% increase	+	A	
	-	A	

Note: "A" means the EUT function was correct during the test.

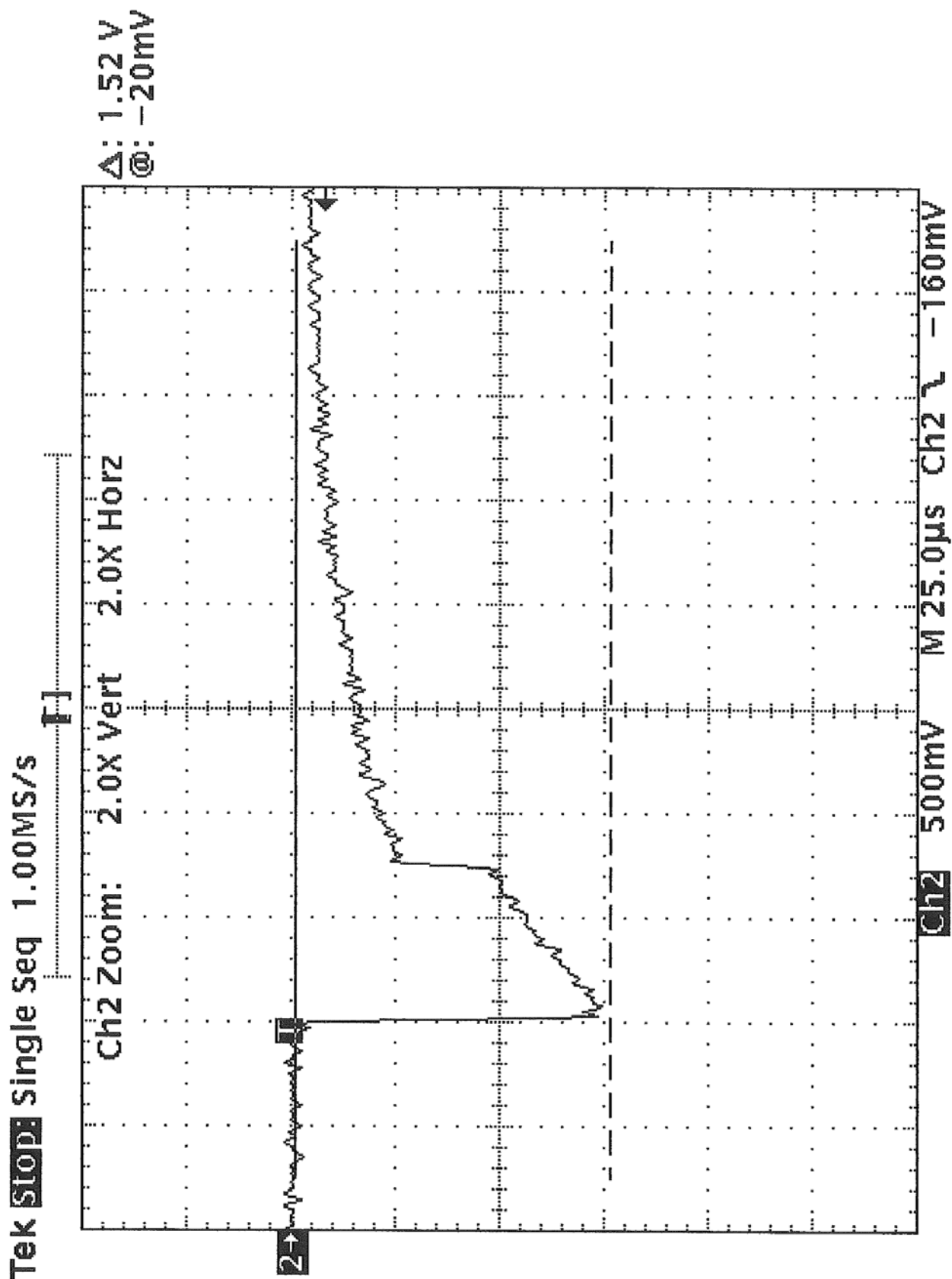
Test Voltage: +6kV Waveform (Normal)C2 Max
5.76 VC2 Min
-160 mV

Test Voltage: +6kV (Device Parallel)

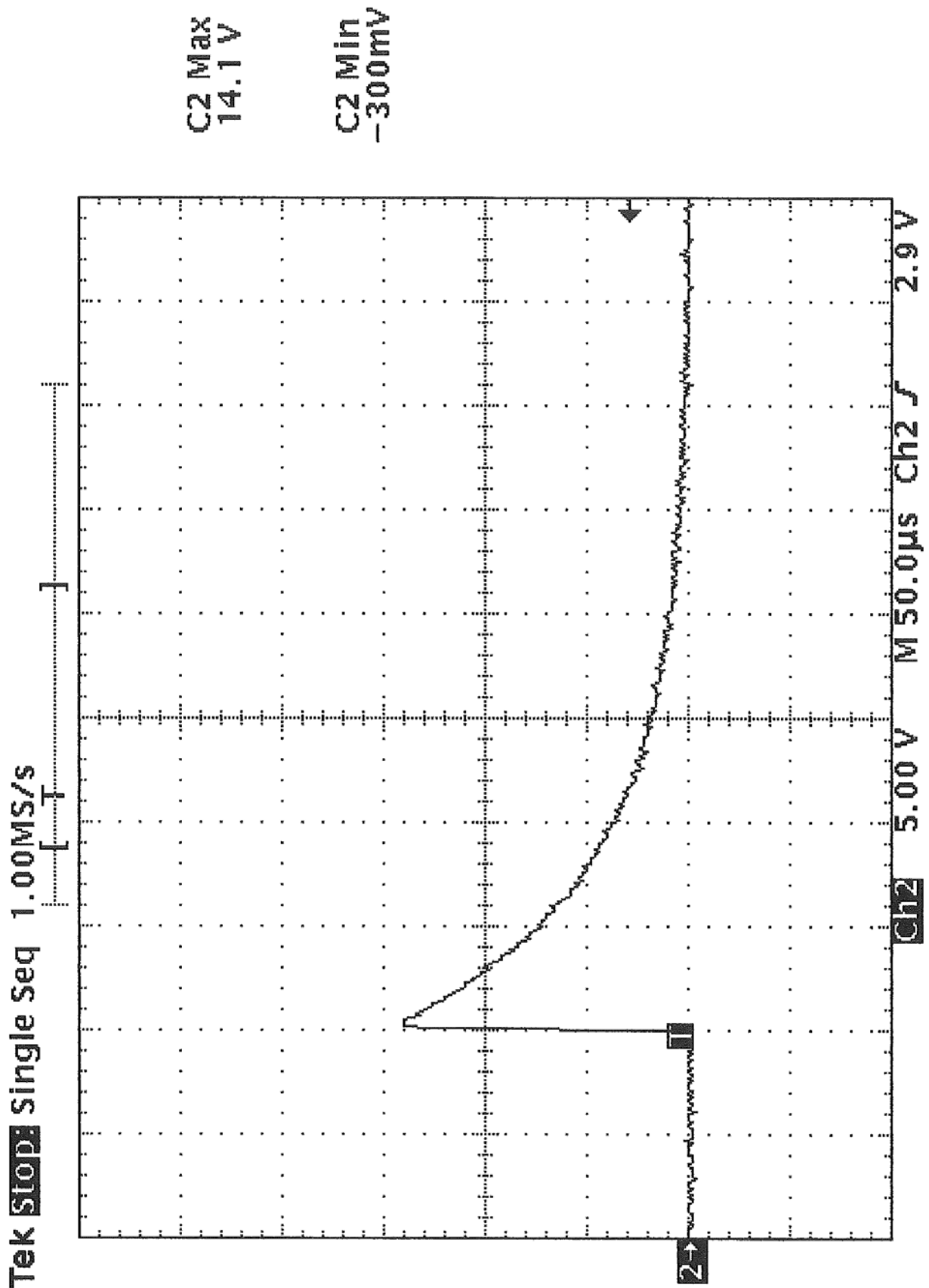


Test Voltage: -6kV Waveform (Normal)

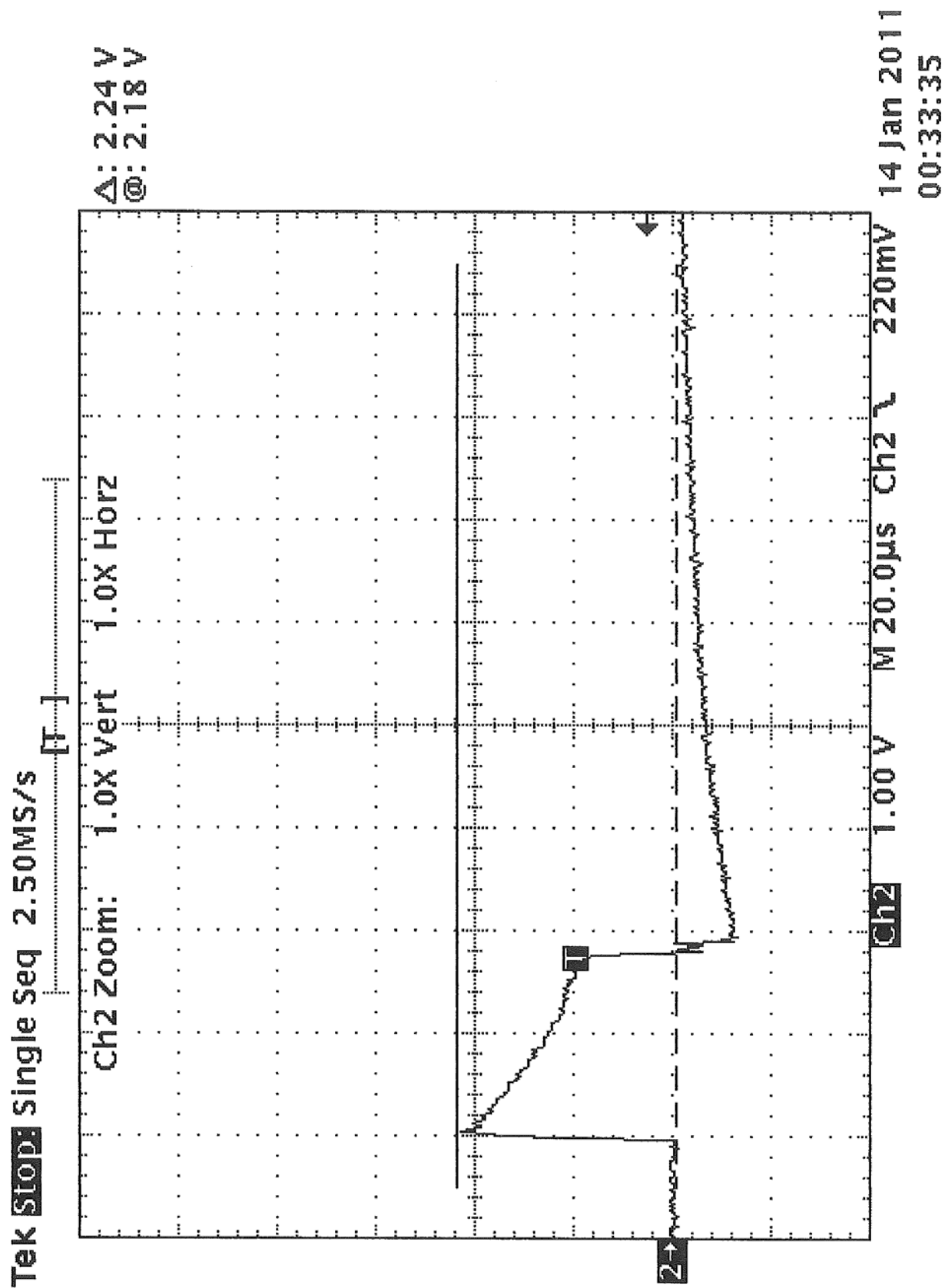
Test Voltage: -6kV (Device Parallel)



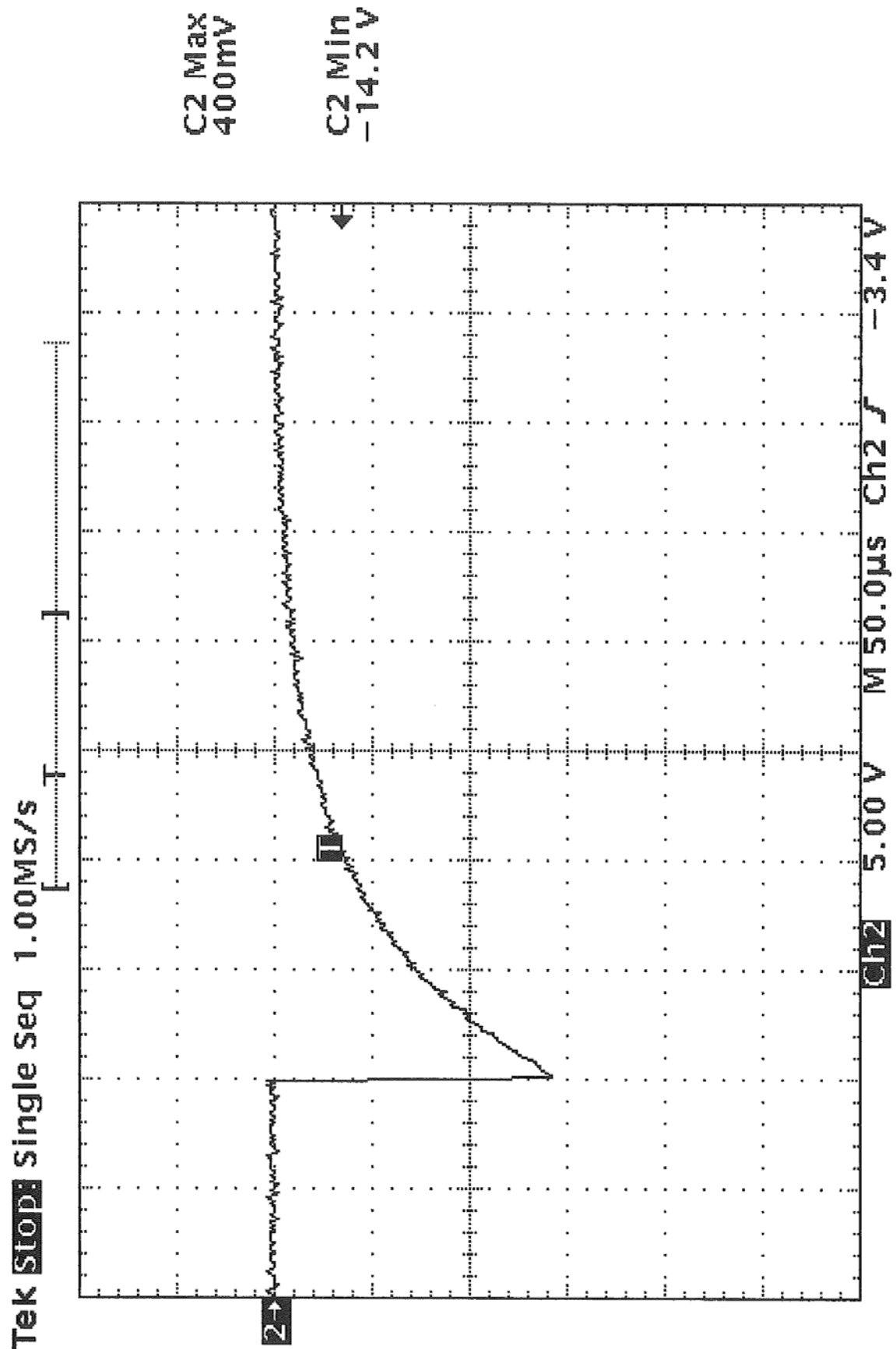
Test Voltage: +15.0 kV Waveform (Normal)



Test Voltage: +15.0 kV (Device Parallel)



Test Voltage: -15.0 kV Waveform (Normal)



Test Voltage: -15.0 kV (Device Parallel)

