

File Name	
Sample (sample name, size, ink recipe, substrates, etc.)	
CNT materials (Synthesis & processing conditions)	
Vacuum Level (Torr)	
Time Taken to Reach the Vacuum Level (hours)	
External Resistance (Ohm)	
Anode Voltage Range (V)	
Anode (anode materials, etc.)	
Gate Voltage Range (V)	
Gate (gate materials, wire width, pitch size and transmission rate, etc.)	
Gap Distance between Anode and Gate	
Gap Distance between Cathode and Gate	
Ratio Between Anode Current and Gate Current	
Duty Cycle	
Pulse Frequency (Hz)	
Pulse Width (ms)	
Turn-On Voltage (V)	
Maximum Current (mA)	

Image Name	
Corresponding File Name	
Sample (sample name, size, ink recipe, substrates, etc.)	
Field Emission Current at Capture (A)	
Anode Voltage at Capture (V)	
Gate Voltage at Capture (V)	
Duty Cycle	
Pulse Frequency (Hz)	
Pulse Width (ms)	

Suggested Measurement Parameters

Gap	1mm
Pulse Frequency (Hz)	100
Pulse Width	1 ms
Duty Cycle	10%
External Resistance (kohm)	100
Anode	Phosphor Screen
Anode Voltage (V)	Up to 2000
Gate Voltage (V)	150-300