


## The Electron Tube that Brought Television Transmission to Japan

Registration No.	Number 00144		
Registration Date	September 2, 2014	Registration Category	Category 1
Name (Model, etc.)	Traveling Wave Tube for broadcasting (1W50/M4803)		
Location	Otawara-Shi, Tochigi		
	Canon Electron Tubes & Devices Co., Ltd.		
Owner (Custodian)	Canon Electron Tubes & Devices Co., Ltd.		
Manufacturer (Company)	Tokyo Shibaura Electric Co., Ltd. (now Canon Electron Tubes & Devices Co., Ltd.)		
Year Manufactured	1963		
Year first appeared	1963		
Reason For Selection	<p>The traveling-wave tube (TWT) for television broadcasting was widely adopted for the commencement of UHF television broadcasting in the 1960s, when broadcasting network was completed nationwide, including the mountainous regions. This TWT was a periodic permanent magnet (PPM) focused helix type with an output of 360 W, at frequency range of 400-900 MHz. Many of this tube were used for NHK and private 30 W/100 W satellite stations.</p>		
Registration Standard	1 - A (Show an important aspect or stage of the development of science and technology.)		
Open/Closed to Public	Open to Public		
Photo			
Other useful information			