

The World's First VHF Antenna

Registration No.	Number 00210		
Registration Date	September 13, 2016	Registration Category	Category 2
Name (Model, etc.)	Yagi-Uda Antenna		
Location	Minato-ku, Tokyo		
	NHK Museum of Broadcasting		
Owner (Custodian)	NHK Museum of Broadcasting		
Manufacturer (Company)	Producer: Hidetsugu Yagi and Shintaro Uda Manufacturer: Tokyo Musen Denki K.K.		
Year Manufactured	1930		
Year first appeared	1925		
Reason For Selection	With the use of electromagnetic waves in radio communications and other applications, advances were made in research on shorter and shorter wavelengths, leading to developments around the world on magnetrons (VHF transmitters) and radars. In Japan, research of magnetrons started at Tohoku University from around 1920, resulting in the discovery of electromagnetic sympathetic vibration and directionality and the development of the Yagi-Uda antenna by Hidetsugu Yagi and Shintaro Uda using the directionality and amplification effects. This accomplishment was accepted more readily overseas than in Japan, and was used in the latest radar equipment in the West. Even today, this antenna is still used around the world as a television aerial; it is one Japanese achievement in science and technology that anyone around the world would recognize. This item is thought to have been produced for display at the international exposition in Belgium in 1930, just after the Yagi-Uda antenna was developed.		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.) 2-C (Show an important event or phenomenon in the relationship between society and culture on the one hand and science and technology on the other.)		
Open/Closed to Public	Closed to Public		
Photo			
Other useful information			