

# INTRODUCTION

## 1. GENERAL DESCRIPTION

P/N
HA-51

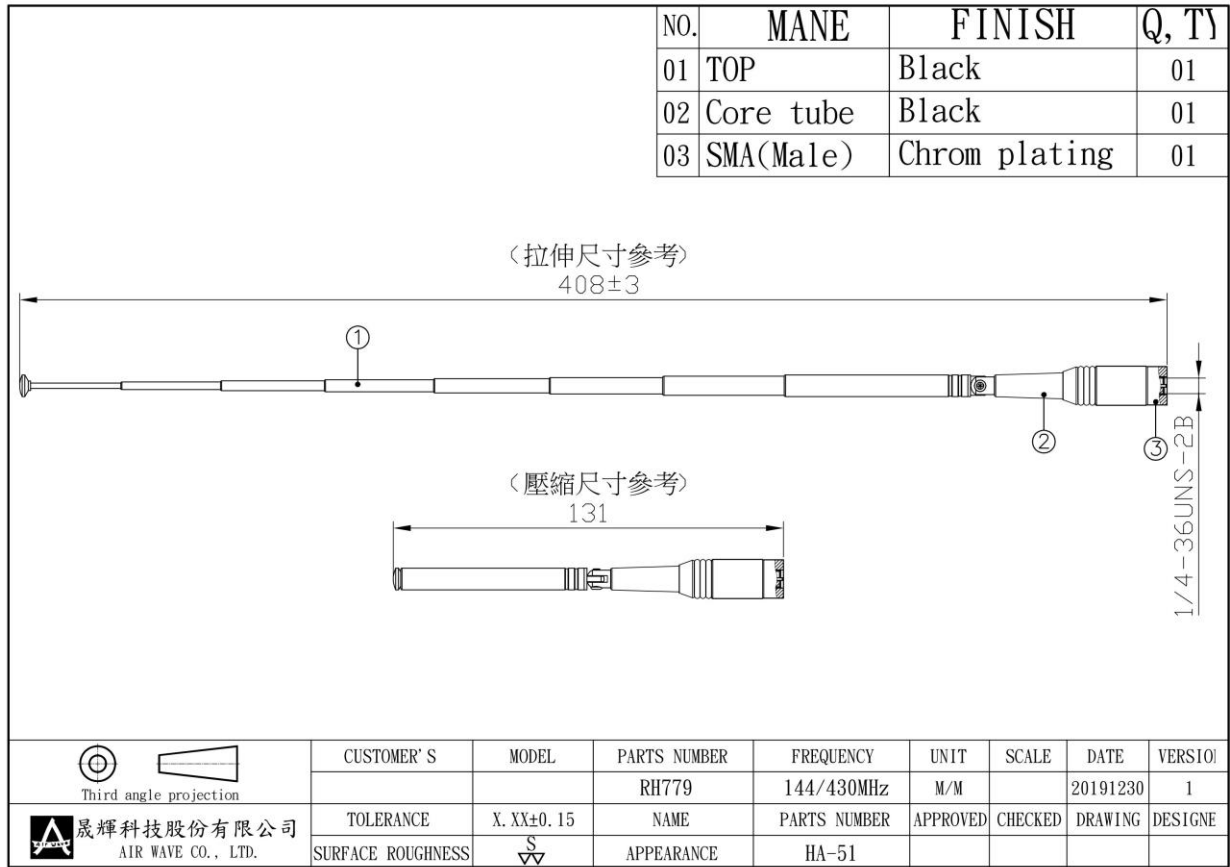
### 1.1 Electrical Properties

Parameter	Description
Frequency Band	144/430MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	5.5 : 1
Gain	2.15dBi

### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	408 mm ±3(拉伸尺寸)/131(壓縮尺寸)
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

**2. Appearance**



### 3. Return Loss, V.S.W.R. and Smith Chart

