

# SPECIFICATION

**Spec No** : HJX.11

**Part No.** : HJX.11.A153

**Product Name** : 2.4/4.9/5.8GHz 5dBi Screw mount Dipole Antenna

**Description** : SMA Male Straight Connector  
Hinged  
TPE Housing  
Length 158mm  
ROHS Compliant

## REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
1	2018-11-11	A11	New product	YX Product Centre	SHAWN

## 1.0Introduction

The YX.11 2.4/5.8 GHz dipole SMA plug mount antenna is ideal for 2.4/4.9/5 GHz wireless applications such as Bluetooth and Wireless LAN. At 158mm in length omni-directional 4.3dBi peak gain across all bands ensures constant reception and transmission. The antenna structure is designed for robust handling and the housing is made with TPE giving superior environmental reliability and a quality finish. The antenna can be rotated 90 degrees on the base hinge for ease of placement. Connector mount is fully customized.

## 2.0Electrical Properties

1.1	Frequency	2400-2483/ 4.9 GHz ~ 5.8 GHz
1.2	Gain (peak)	5.3dBi
1.3	V. S. W. R	2.0MAX
1.4	Return Loss	-15dB Maximum
1.5	Radiation	Omni-directional
1.6	Polarization	Linear Vertical
1.7	Power Handling	5W

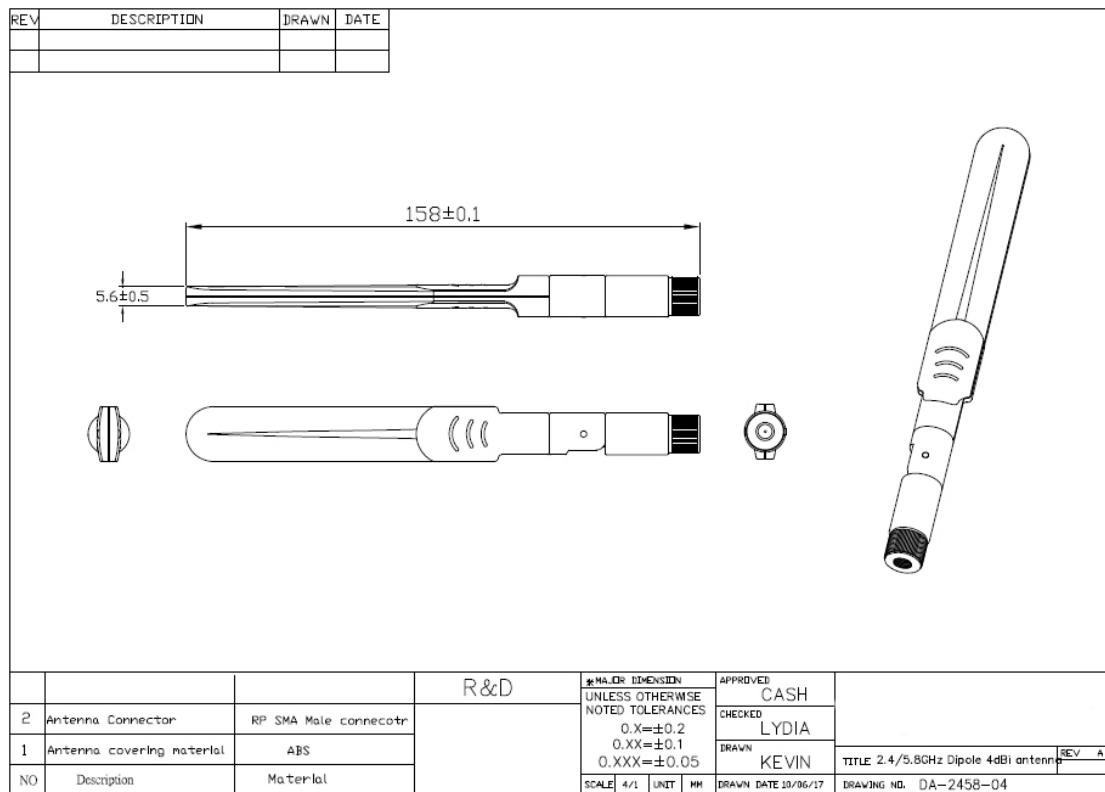
## 3.0Mechanical Properties

2.1	Cable	RG-178 Coaxial Cable
2.2	Antenna Cover	TPE
2.3	Antenna Base	PC&PBT
2.4	Operating Temperature	-20°C ~ +65°C
2.5	Storage Temperature	-30°C ~ +75°C
2.6	Color	Black
2.7	Connector	SMA Plug

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## 4.0 Outline Drawings and Structure





## Key

1	Antenna Cover	TPE (Black)
2	Antenna Base	PC (Black)
3	Antenna Base	PBT (Black)
4	Rivet	Brass, Zn Plated (Black)
5	Connector	SMA Straight Plug (Black)
6	Cable	RG-178 50 Ohm

## 5.0 Measurements

VSWR

## 2.2. VSWR

