

## INTRODUCTION

This document provides an ON-GLASS Antenna design; this simulation is for car digital tv antenna.

### 1. GENERAL DESCRIPTION

Model No	AIR WAVE P/N
	AG-08-8

Below is a table summarizing the antenna design specification.

#### 1.2 Electrical Properties

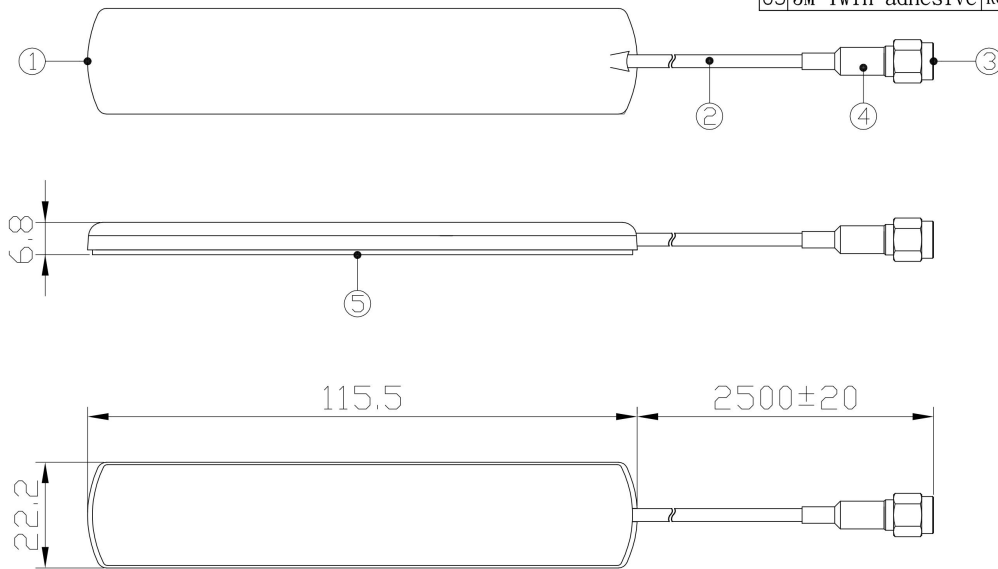
Parameter	Description
Frequency Band	824~960/ 1710~1990MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 2 $\lambda$ Dipole
V.S.W.R	2.0:1
Antenna Average Gain	0~3.0dBi
Note: Gain includes the cable loss	



#### 1.2 Mechanical Properties

Parameter	Description
Antenna Material	ABS
Connector Type	SMA 180° male
Antenna Dimensions	115 mm $\pm$ 5
Antenna Cable Total Length	2500mm $\pm$ 10
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

### 2. Appearance

NO.	圖名	外觀	用量
01	Head top	Black	01
02	RG-174A/U Cable	Black	01
03	SMA 180° (Male)	Nickel plating	01
04	Heat-shrink tube	Polyolefin	01
05	3M-Twin adhesive	Red	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
	 晟輝科技股份有限公司 AIR WAVE CO., LTD.	TOLERANCE	X. XX±0.15	NAME	824-960/1710-1990MHz	M/M		20091216
	SURFACE ROUGHNESS	$\frac{S}{\nabla}$	APPEARANCE					

3. FREQUENCY

