

INTRODUCTION

This document provides a cable assembly & wireless LAN Antenna design; this simulation is for local area network antenna.

1. GENERAL DESCRIPTION

Model No	AIR WAVE P/N
	EA-113

Below is a table summarizing the antenna design specification.

1.2 Electrical Properties

Parameter	Description
Frequency Band	2.4~2.5 GHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 2 λ Dipole
Admitted power radiation	1W
V.S.W.R	2.0:1
Antenna Average Gain	1.46dBi
Note: Gain includes the cable loss	

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Antenna Material	TPE/PC+PBT
Antenna Dimensions	150mm \pm 2
Antenna Color	Black
Operating Temperature Range	-20°C~+65°C
Storage Temperature Range	-30°C~+75°C

2. Appearance

<h1 style="margin: 0;">承 認 書</h1> <h2 style="margin: 0;">SPECIFICATION FOR APPROVAL</h2> <p style="margin: 0;">CORPORATION: 捷辰科技股份有限公司</p> <p style="margin: 0;">CUSTOMER'S PART NO:</p> <p style="margin: 0;">DESCRIPTION:</p> <p style="margin: 0;">MODEL PART NO: EA-113 DATE: 2006/05/29</p>			
	✓	CUSTOMER' S SIGNATURE	NOTE
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			
DESIGNER SIGNATURE	DIRECTOR SIGNATURE		



晟輝科技股份有限公司

AIR WAVE CO.,LTD.

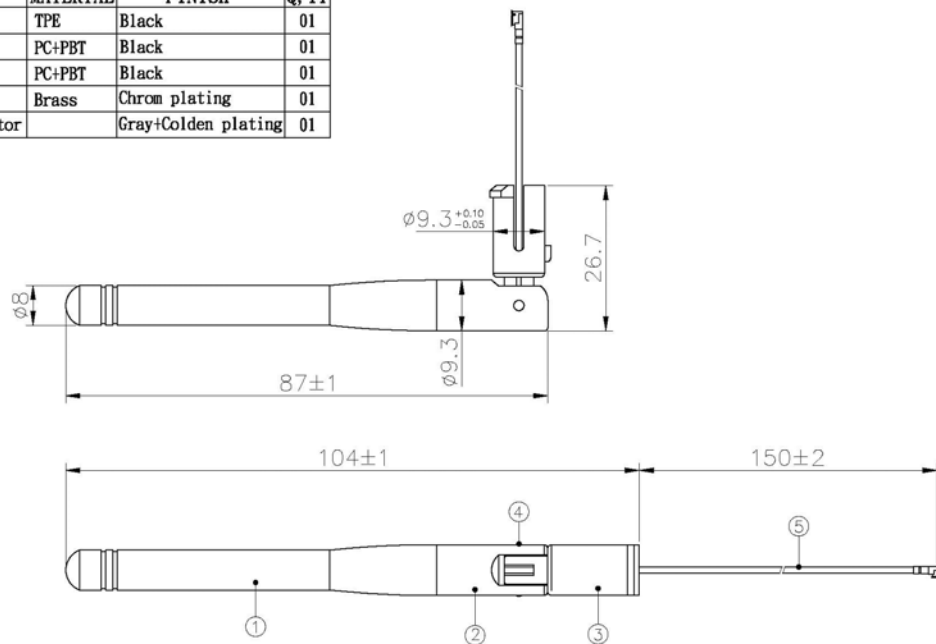
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NO.	NAME	MATERIAL	FINISH	Q, TY
01	Core tube	TPE	Black	01
02	Fixed upper	PC+PBT	Black	01
03	Fixed beneath	PC+PBT	Black	01
04	Rivet	Brass	Chrom plating	01
05	萬泰線+I-PEX Connector		Gray+Colden plating	01



NO			INSP SPEC			TEST INSTRUMENT			NO			INSP SPEC			TEST INSTRUMENT			NO			INSP SPEC			TEST INSTRUMENT			NO		DATE		DESCRIPTION				REVISER		VERSION	
A									C									E									01											
B									D									F								02												
<div> Third angle projection</div>									CUSTOMER' S			MODEL			PARTS NUMBER			FREQUENCY			UNIT		SCALE		DATE		VERSION											
																		2. 4~2. 5GHz			M/M				20060529		1											
<div> 晟輝科技股份有限公司 AIR WAVE CO., LTD.</div>									TOLERANCE			X. XX±0. 15			NAME			PARTS NUMBER			APPROVED		CHECKED		DRAWING		DESIGNED											
									SURFACE ROUGHNESS			<div></div>			APPEARANCE			EA-113																				

3. Frequency

