

承認書

APPROVAL

廠 商
CUSTOMER

神準科技股份有限公司

料 號
PART NO.

7102A0558000

品 名
PARTNAME

ANT DIPOLE 2.4/5GHz A8EEE-000002 BLACK

生產廠商
COMPANY

AWAN_連騰

備 註
PART NO

日 期
DATE

2022.07.25

產品重量(g):
WEIGHT

12.5G

產品主要材質:

MAIN MATERIAL

線+塑件+PCB+SMA

公 司
COMPANY

連騰科技股份有限公司

地 址
ADDRESS

新北市新店區北新路三段207-1號B2-F室

電 話 :

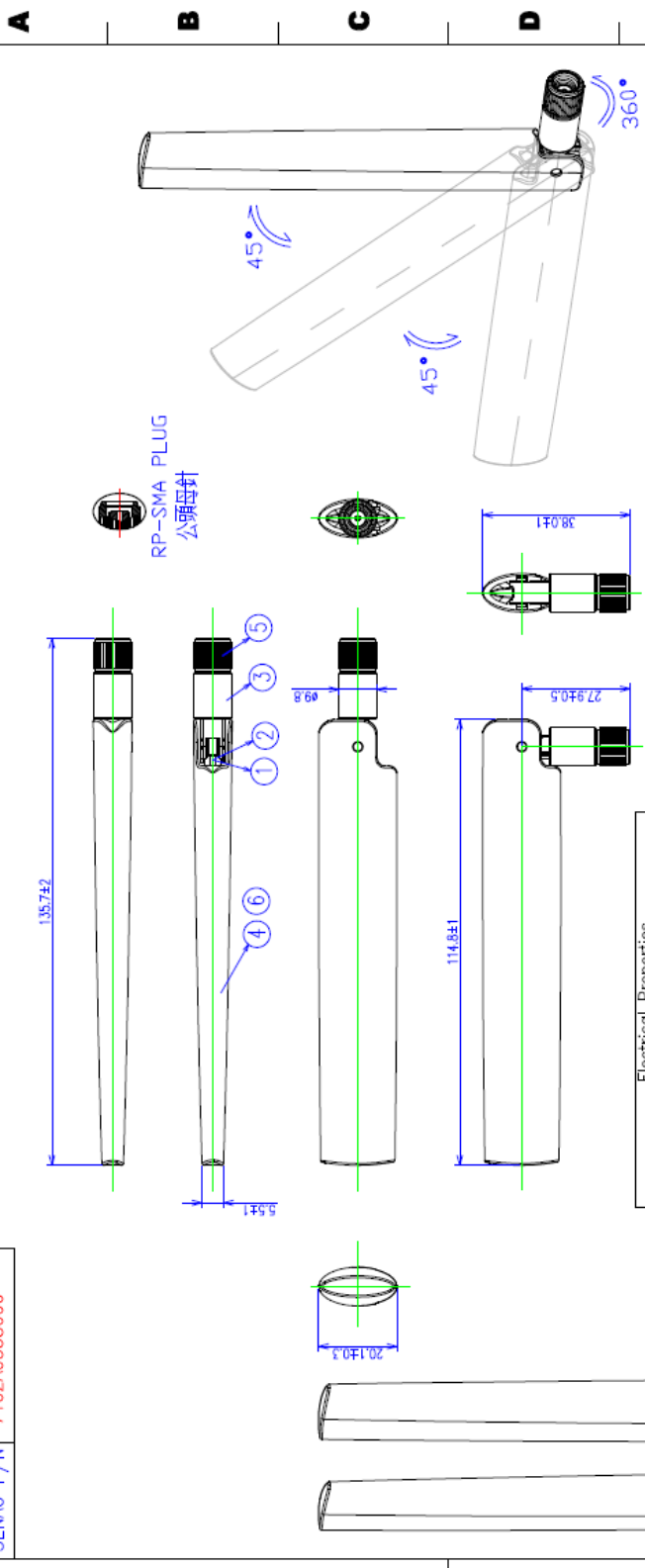
TELEPHONE

傳 真 :

FAX

Rm. F, B2., No. 207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231033, Taiwan (R.O.C.)

1	2	3	4	5	6	7	8
AWAN P/N	A8EEE-000002				Rev. E3	Description NEW RELEASE	Drawn/Date Roy 05/12/22
SENAO P/N	7102A0558000						Checked/Date Lukas 05/12/22
							Approved/Date Lukas 05/12/22



Electrical Properties	
Frequency	2400~2500 MHz
Impedance	5150~5850 MHz
VSWR	50 Ohm Nominal
Gain	2.4G~2.5G @ 3.5dBi±0.5dBi
	5.15G~5.85G @ 5dBi±0.5dBi
Polarization	Linear
Mechanical Properties	
CASE	ABS
CONNECTOR	SMA
CASE COLOR	Black
Operating Temp	-30 ~ +65 °C
Waterproof level	IP67

Item	Part #	Q'ty	Material / Finish
6	SPRING	1	SPRING
5	SMA	1	CON
4	Antenna Cover	1	ABS IN327
3	Antenna Base	1	PC/ABS AULP 4274
2	RP-SMA PLUG	1	Cable
1	PB	1	PB

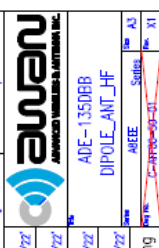
Item	Part #	Q'ty	Material / Finish
6	SPRING	1	SPRING
5	SMA	1	CON
4	Antenna Cover	1	ABS IN327
3	Antenna Base	1	PC/ABS AULP 4274
2	RP-SMA PLUG	1	Cable
1	PB	1	PB

HALOGEN FREE

This document and its contents are the property of AWAN. All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, without permission in writing from AWAN.

HSP相關分析分發及測試結果參照
<HSP均與實物分析表一致>

符合AWAN規格與性能標準
All materials meet the AWAN's spec. Environment - related substances management technical standard.



1

2

3

4

5

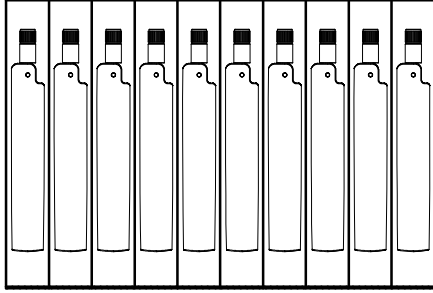
6

7

8

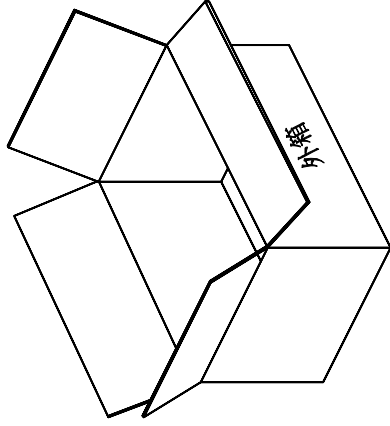
Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X1		New Release	Roy 07/21/22	Louis 07/21/22	Louis 07/21/22

排袋尺寸305*205*0.1mm



10 PCS產品/排袋

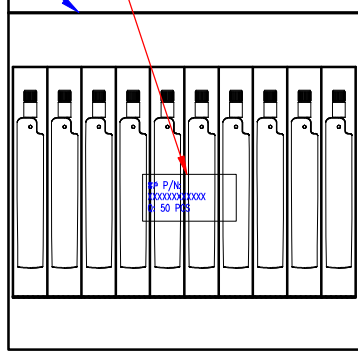
外箱使用透明膠帶工字型封裝



500 PCS產品/箱

外箱尺寸：31*30*20 CM

PE袋尺寸250*250*0.1mm



50 PCS產品/PE袋

每個PE袋上需加貼1 PCS標籤

客戶 P/N:
XXXXXXXXXXXX
Q: 50 PCS

夾鍵

A

B

C

D

E

F

Part Number	PCS/箱	PCS/PE Bag	PCS/ Carton	N.W(kgs)	G.W(kgs)
A8EEE-000002	10	50	500		

		Date		Date	Date
Drawn		Roy	07/21/22		
Checked		Roy	07/21/22		
Approved		Louis	07/21/22		
Date		Louis	07/21/22		
UN		mm			
P/N		A8EEE			
Series		P-A8EEE-03-00			
Size		A3			
Rev		X1			

HALOGEN FREE

This document and information contained herein are the property of AWAN. copies are issued in strict confidence and shall not be reproduced or copied, or used as the basis of manufacture or sale of apparatus without permission

符合AWAN環境管理技術標準
All materials meet the AWAN's spec. Environment - related substances management technical standard.

HSF相關均質成分及測試點選擇參照
<HSF均質物質分作業圖示表>

材料组成表

厂商: 昆山展騰電子科技有限公司

机种：ADE-135DBB_DIPOLE-ANT

12.5g

料号：A8EEE-000002

料号/品名	材料组成（须至均质单位）	供應商
線	RG178同軸線棕色	AWAN
PCB	FR4	AWAN
桿套	ABS黑色	AWAN
SMA頭	公頭母針黑色半塑	AWAN
下固定座	PC+ABS黑色	AWAN





AWAN Dipole_DB_band 135mm Report

*ADVANCED WIRELESS & ANTENNA
INC.*

Contents

- Antenna proposal and specification
- Measurement data

Contents

Antenna proposal and specification

Measurement data

Antenna proposal and specification



Antenna Proposal	
Antenna type	•Dipole array
Measurement data	
VSWR	•VSWR < 2
Peak Gain	•2.4 ~ 2.5 G 3.5dBi ± 0.5dBi •5.15 ~ 5.85G 5dBi ± 0.5dBi
Efficiency	•2.4 ~ 2.5 G 60 ~ 70 % •5.15 ~ 5.85G. 60 ~ 75 %

Contents

Antenna proposal and specification

Measurement data

- VSWR
- Radiation pattern(2D & 3D)
- Gain table

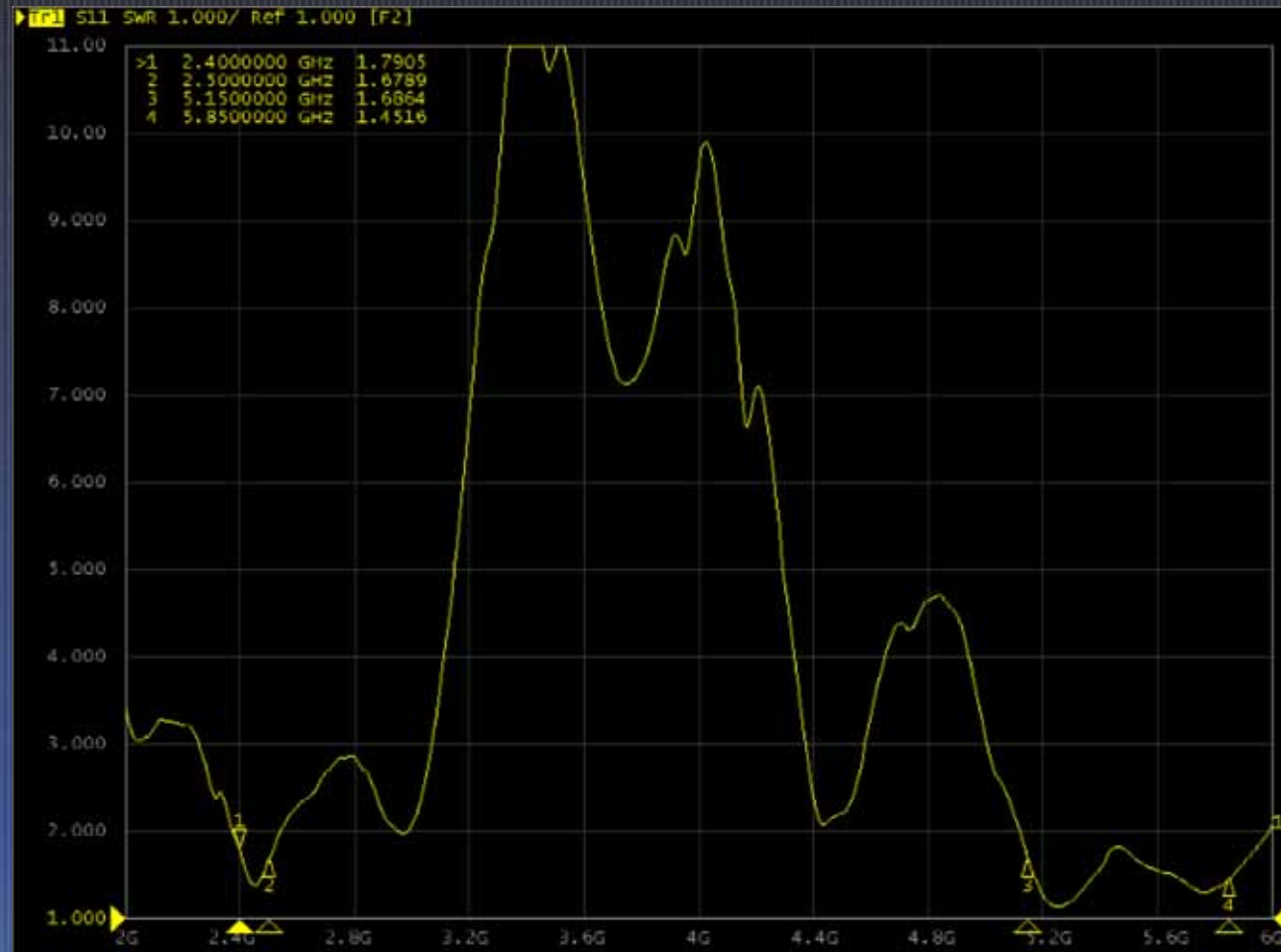
Contents

Antenna proposal and specification

Measurement data

- VSWR
- Radiation pattern (2D & 3D)
- Gain table

Return Loss



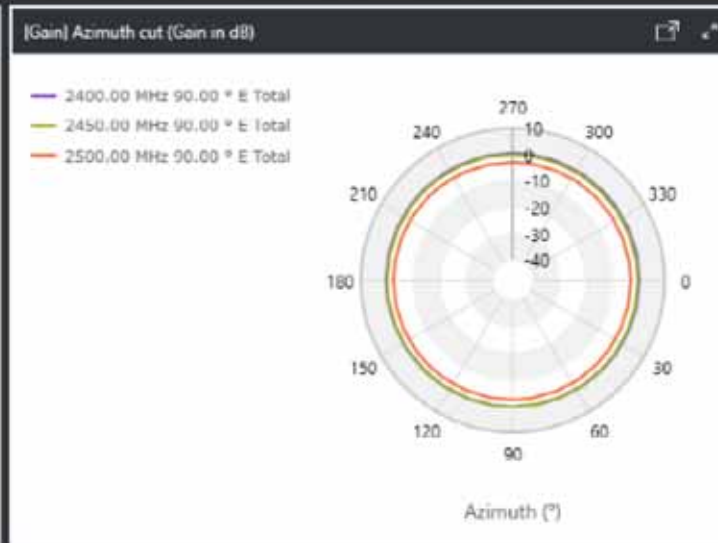
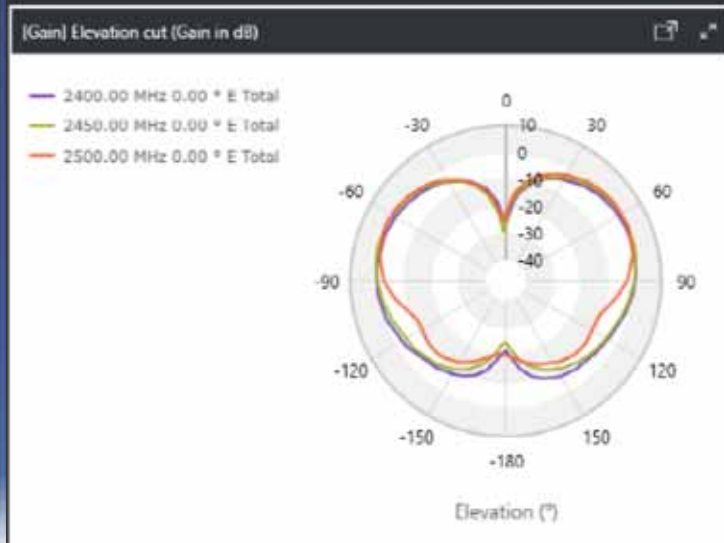
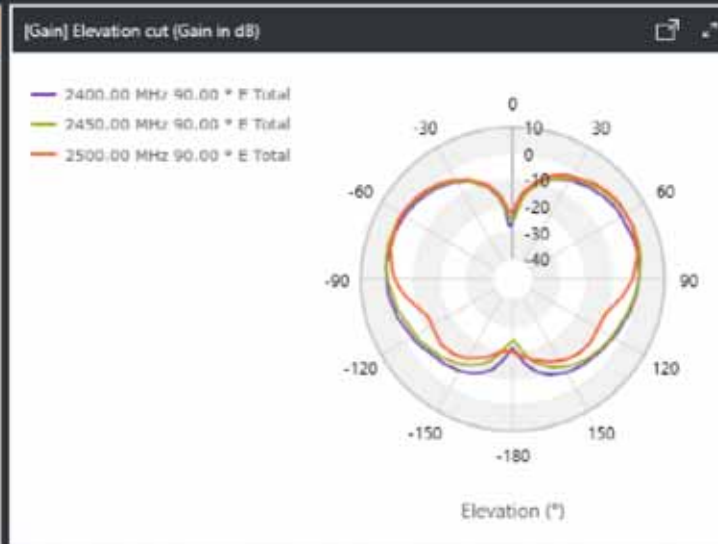
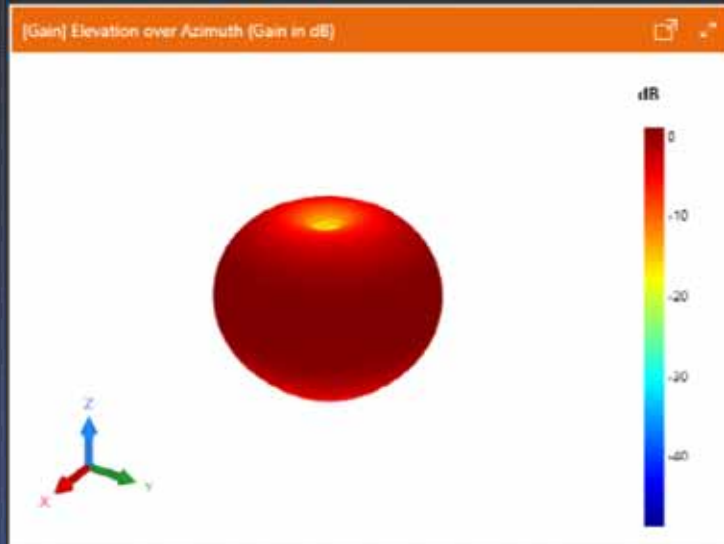
Contents

Antenna proposal and specification

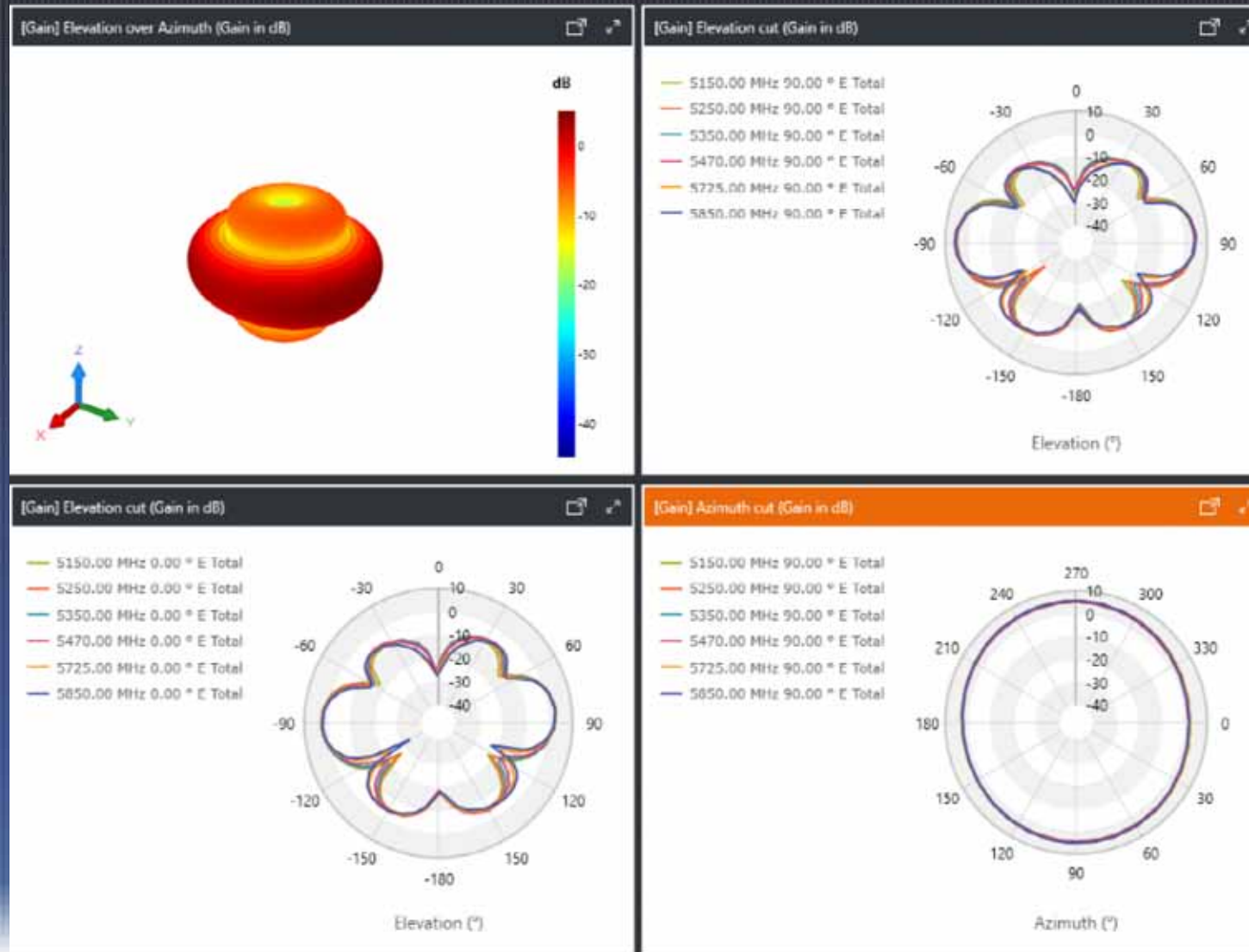
Measurement data

- VSWR
- Radiation pattern (2D & 3D)
- Gain table

2D & 3D Radiation @2GHz



2D & 3D Radiation @5GHz



Contents

Antenna proposal and specification

Measurement data

- VSWR
- Radiation pattern (2D & 3D)
- Gain table

EFF. & Peak Gain

Frequency (MHz)	E-total (dBi)	Efficiency (dB)	Efficiency (%)
2400	3.45	-1.96	63.68
2450	3.55	-1.78	66.37
2500	3.43	-2.10	61.66
5150	4.85	-1.79	66.22
5250	5.01	-1.38	72.78
5350	5.03	-1.78	66.37
5470	5.18	-1.49	70.96
5725	5.20	-1.95	63.83
5850	5.14	-1.65	68.39



THANK YOU