

IRIVER Corp.

APPROVAL SHEET

PD5			
NO	MODEL	FREQUENCY	
1	HWI-ABG-PD5	WIFI 2.4GHz/BT	2400 ~ 2500 MHz
		WIFI 5GHz	5170 ~ 5825 MHz

SUPPLIER			CUSTOMER		
Engineer	Review	Approved	Engineer	Review	Approved
					
26/06/29		26/06/29			



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HISTORY SHEET

ITEM	FPCB ANTENNA	Developed by	Kyoung-Min Lee	
Part Name	HWI-ABG-PD5	Director		
Rev. No.	Date	Description		Etc.
0	2026-06-29	Initial Version		

ANTENNA SPECIFICATION

1. MODEL: HWI-ABG-PD5

2. APPLICATION:

This specification is provided for WIFI 2.4, 5GHz, BT ANTENNA.

3 ANTENNA used condition

■ Portable ■ Fixing ■ Movement ■ Out-door ■ In-door ■ Etc()

4. ANTENNA Drawing

#3. Attached : Drawing paper

5. Electrical specification and performance

Satisfied next data with real used or similar environment conditions.

No.	ELECTRICAL DATA	SPECIFICATIONS		REMARK
5. 1	FREQUENCY RANGE	WIFI 2.4GHz /BT	2400 ~ 2500 MHz	
		WIFI 5GHz	5170 ~ 5825 MHz	
5. 2	IMPEDANCE	50 Ω NOMINAL		
5. 3	V. S. W. R	WIFI 2.4GHz /BT	Less than 1 : 3.26	#1. Attached
		WIFI 5GHz	Less than 1 : 1.67	
5. 4	PEAK GAIN	WIFI 2.4GHz /BT	-3.27 dBi	#2. Attached
		WIFI 5GHz	-2.13 dBi	
5. 5	RADIATION PATTERN	OMNI – DIRECTIONAL		
5. 6	POLARIZATION	LINEAR		

6. Hardware specification and mechanical

No.	MECHANICAL	SPECIFICATIONS	REMARK
2. 6. 1	FPCB Size [W X H X T]	49.80 X 7.85 X 0.15 (mm)	

7. TEST and Q/C

It must comply with the requirements of the approver and the requirements of the approver and must comply with quality control regulations.

8. Packing

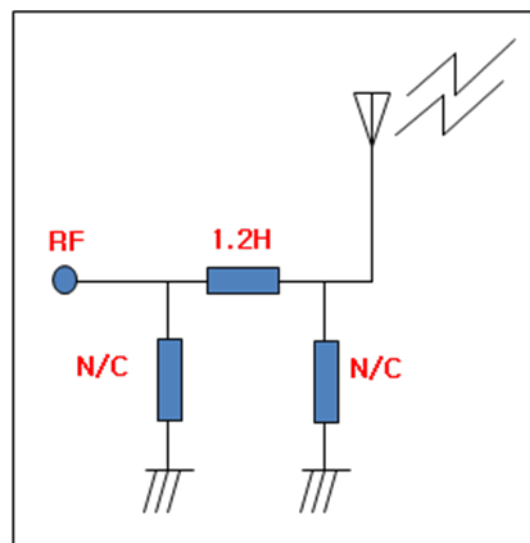
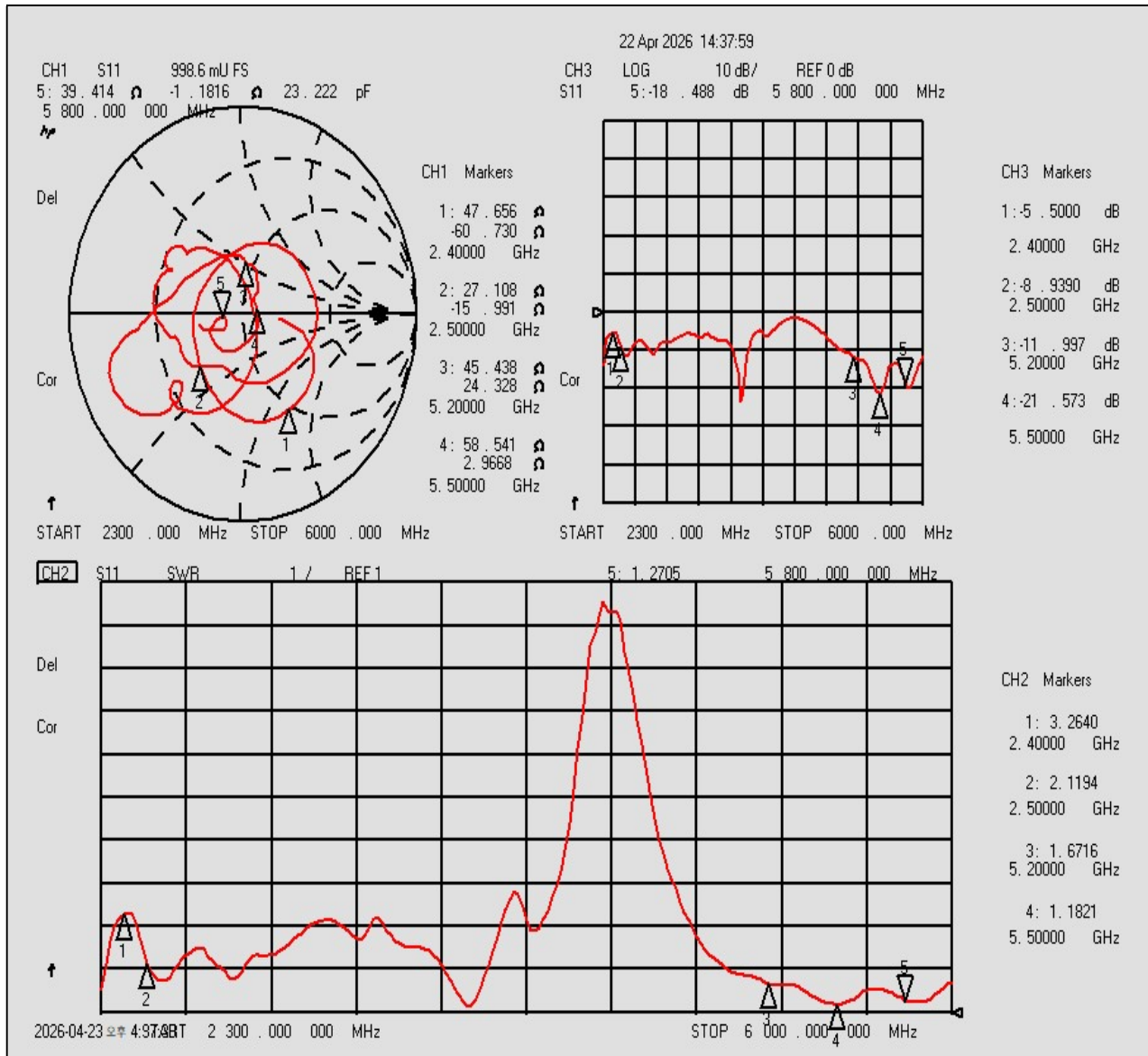
After packing the product according to the characteristics of the product, it is packed in an appropriate box to prevent movement.

Product packaging follows our regulations unless otherwise requested by the customer.

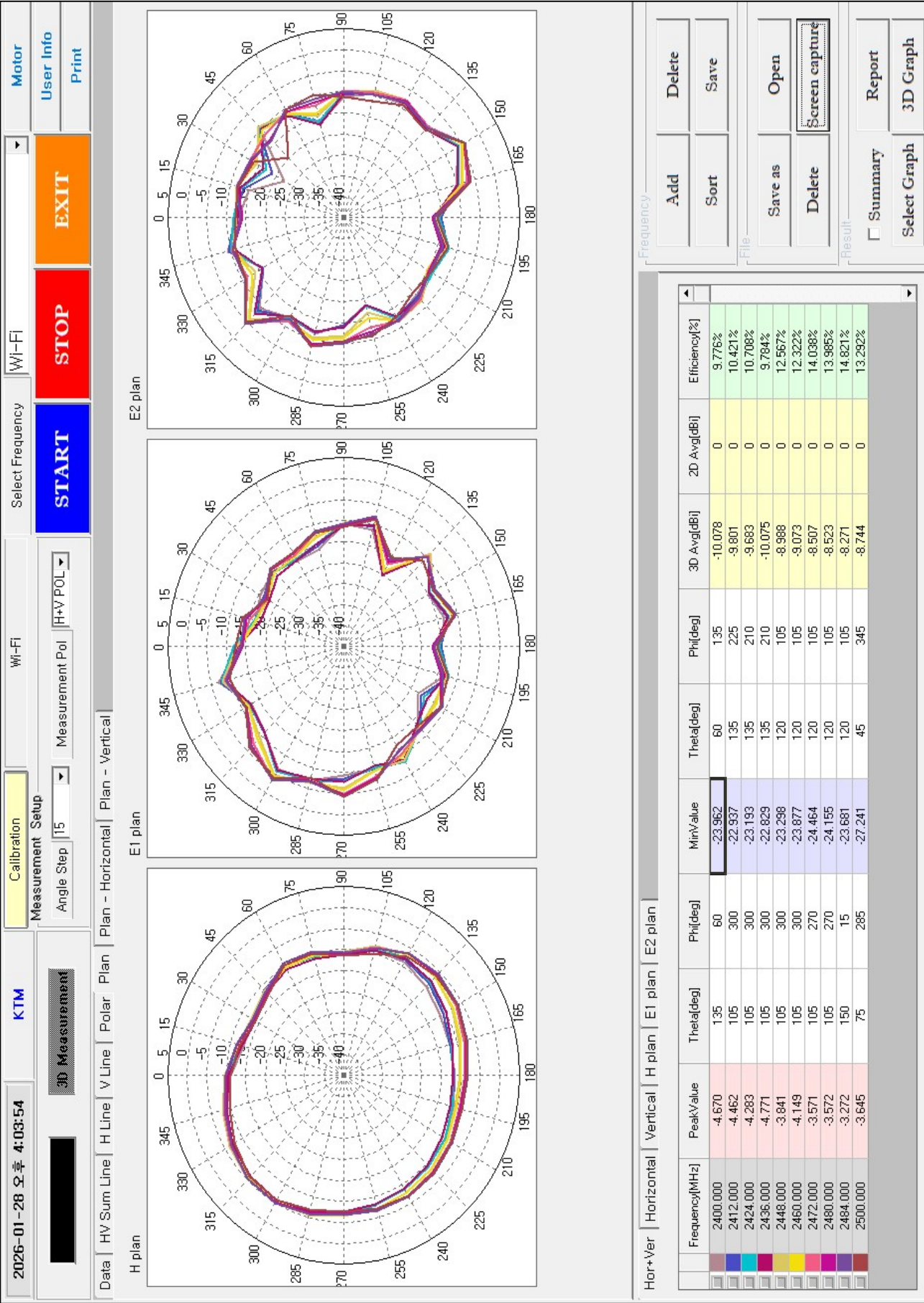
9. Product Warranty

This product is obligated to repair or exchange it free of charge immediately only if a defect that is deemed to be defective in design and manufacture occurs within one year of delivery.

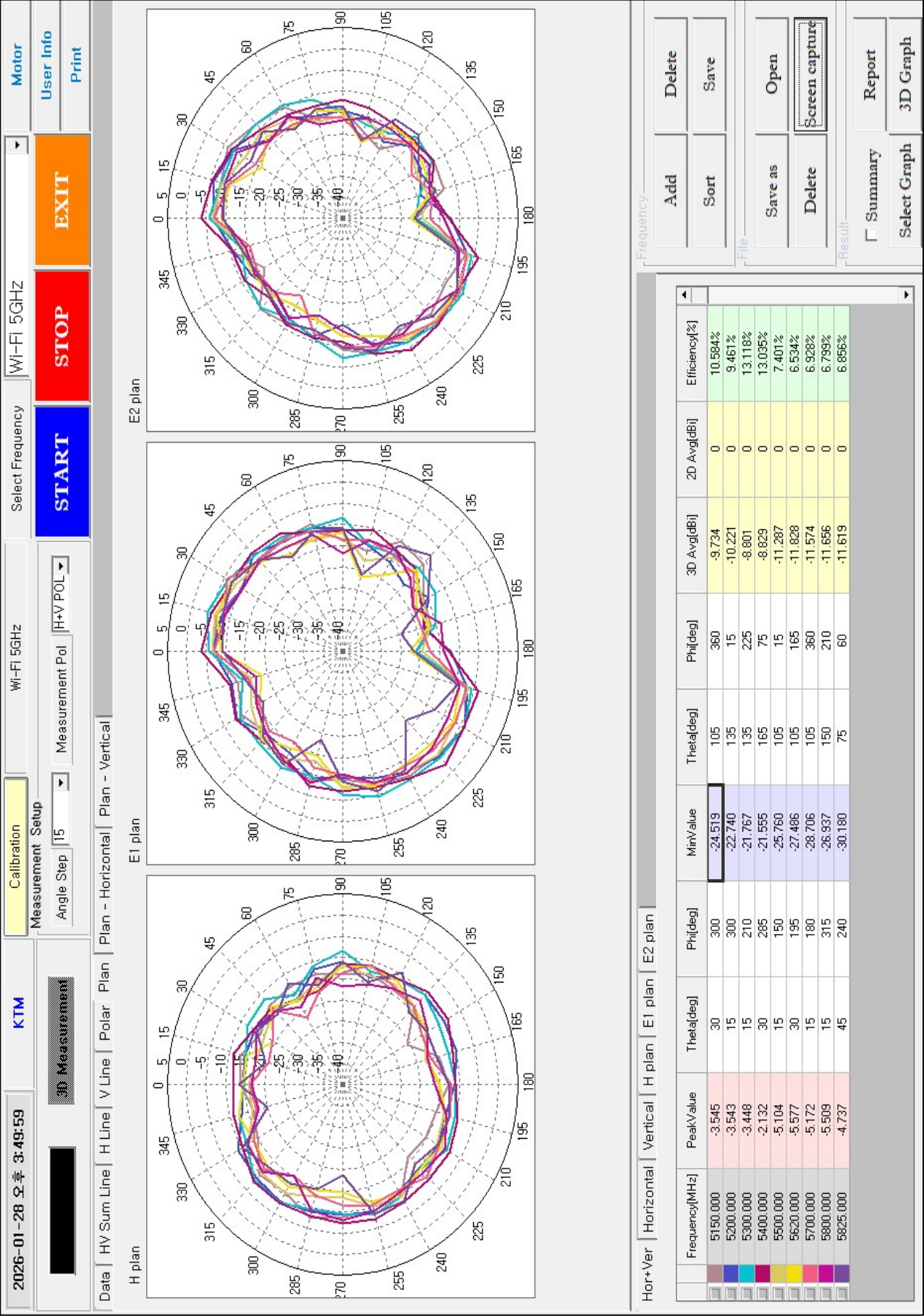
- #1. Attached : VSWR



- #2. Attached : RADIATION PATTERN(GAIN)_WIFI 2.4GHz/BT



- #3. Attached : RADIATION PATTERN(GAIN)_ WIFI 5GHz



Frequency

Add

Delete

Sort

Save

File

Save as

Open

Delete

Screen capture

Result

Summary

Report

Select Graph

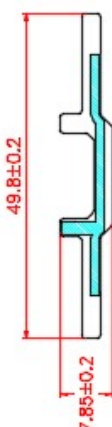
3D Graph

- #3. Drawing paper

No	Revision Note	Checked	Date
1			

Pattern :

TOP

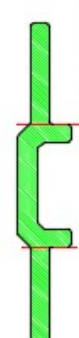


BOTTOM



INK : Black INK

TOP



BOTTOM

Silk print : White Color

TOP



BOTTOM

1.  표시는 패티 Area임.

2.  표시는 금도금 Area임.

3.  표시는 무광 INK 영역임.

4.  표시는 3M 467 영역임.

5. 1/2 OZ, 1 MIL, 단면 F-PCB 적용.

* Contact Type 뿔히 금도금 석공 바람.

1	Part Name	Material	Description	Q'ty	Finish
No	Title	F-PCB	Model		HWI-48 G-PD5
Scale	Unit	mm	Drawn by	Checked by	Approved by
1/1	mm	J.O.LIM			010121버
Decimal	Angle	N/A	260629-50		
회사명					

Hanwool Technology