



SPECIFICATION FOR APPROVAL

2025030701
File No. _____

1.0
Revision _____

客 戶
CUSTOMER: _____

客 戶 料 号 **HiBy R3PRO II**
CUSTOMER NO: _____

品 名 **PCB WIFI Antenna 0.81Black MHF4 L=40MM**
PART NAME: _____

供 方 料 号 **SL233P.300014.P01**
SUPPLIER NO: _____

Date: _____ Q'TY: PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
<i>Li bin Zeng</i>		

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F04-A

add: 24 Ju Xiang er Lu, Xiang Wei cun, Dalang Town, Dongguan

Telephone;0769-82226176

Fax; 0769-82226175



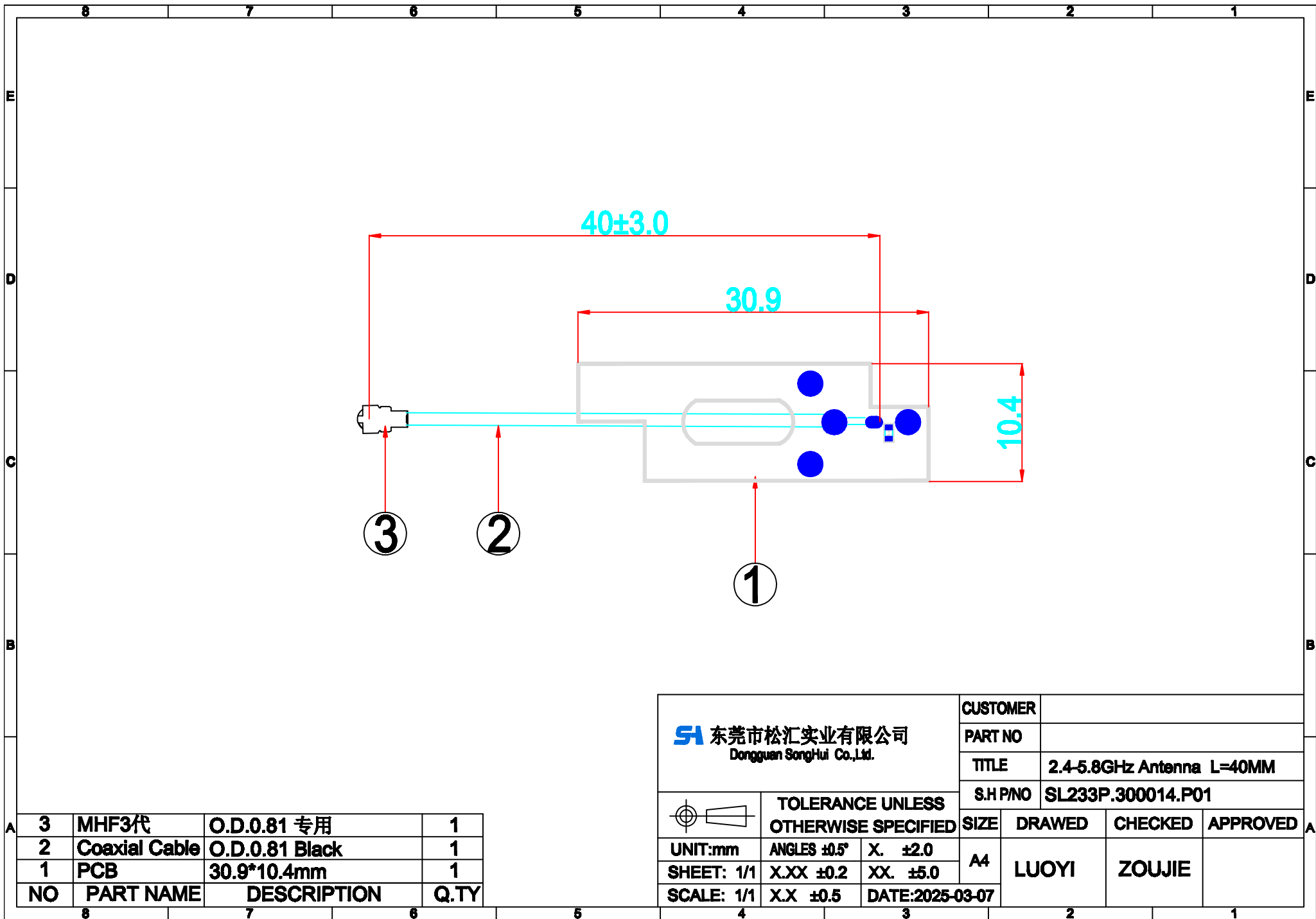
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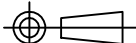
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3	MHF3代	O.D.0.81 专用	1
2	Coaxial Cable	O.D.0.81 Black	1
1	PCB	30.9*10.4mm	1
NO	PART NAME	DESCRIPTION	Q.TY

 东莞市松汇实业有限公司 Dongguan SongHui Co.,Ltd.			CUSTOMER			
			PART NO			
			TITLE		2.4-5.8GHz Antenna L=40MM	
			S.H P/NO		SL233P.300014.P01	
 TOLERANCE UNLESS OTHERWISE SPECIFIED			SIZE	DRAWED	CHECKED	APPROVED
UNIT:mm			A4	LUOYI	ZOUJIE	
SHEET: 1/1						
SCALE: 1/1						
X. ±2.0						
X.XX ±0.2						
X.X ±0.5						
DATE:2025-03-07						



Test Reports

Electrical Properties	
Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.86dBi Max
Efficiency	>60%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF4
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 0.81mm // L=40mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

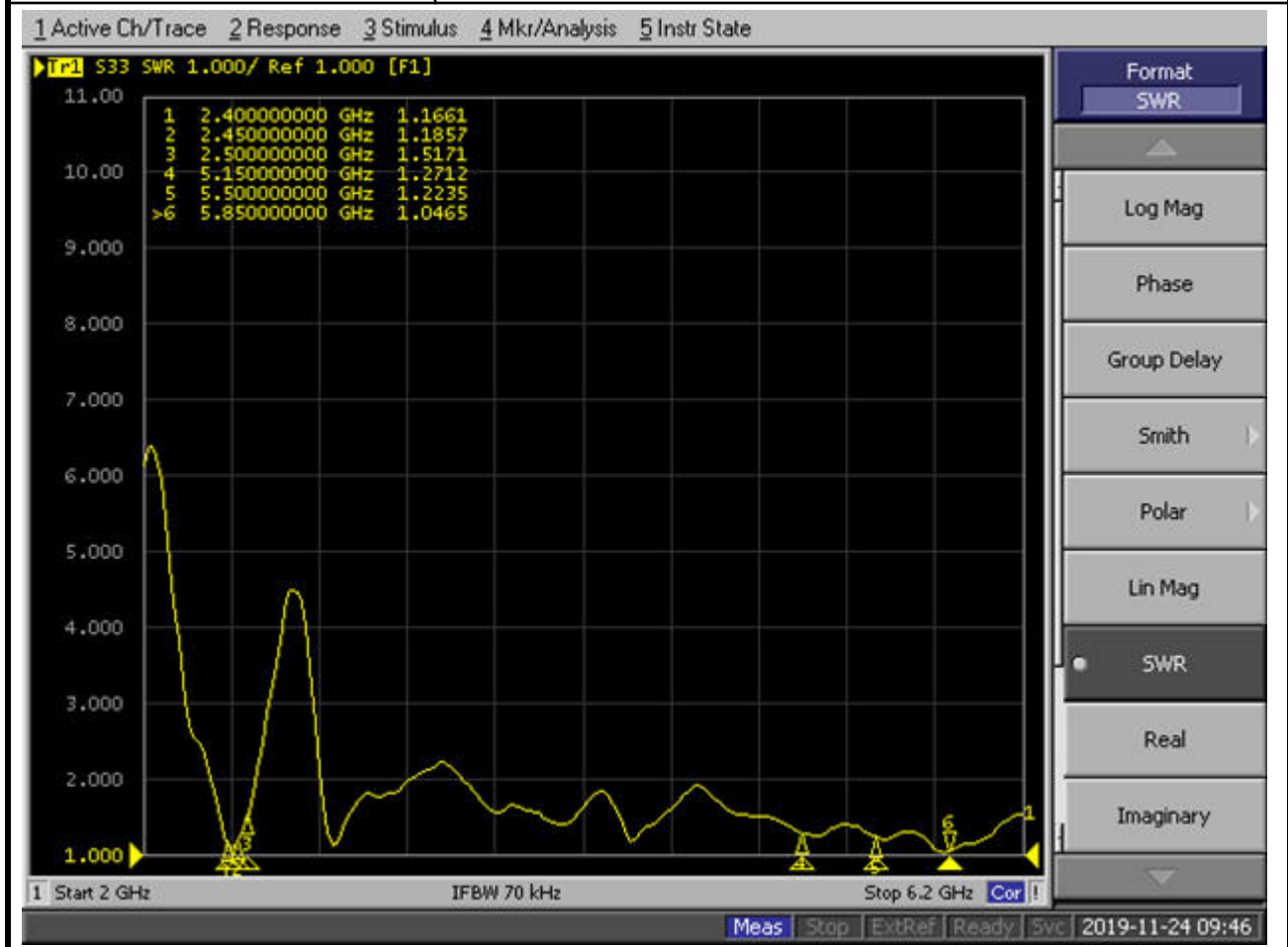
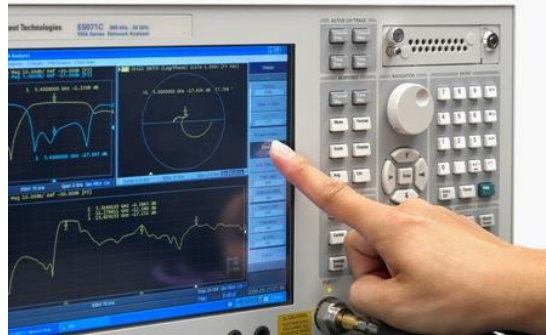
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S Parameter Test

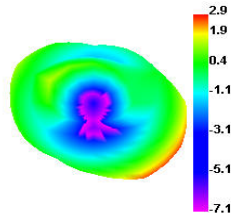
Agilent E5071C



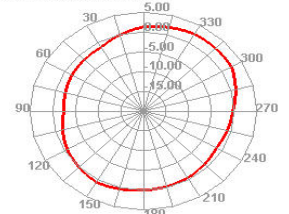
Gain, Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	68.93	2.86
2410	76.58	2.83
2420	71.23	2.85
2430	68.68	2.82
2440	66.67	2.54
2450	65.09	2.38
2460	71.02	2.86
2470	68.59	2.64
2480	66.95	2.45
2490	62.69	2.35
2500	70.1	2.46

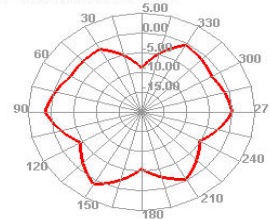
2400.000MHz



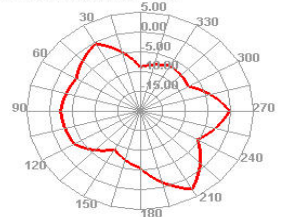
2400.000MHz H



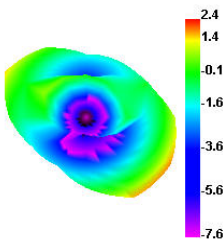
2400.000MHz E1



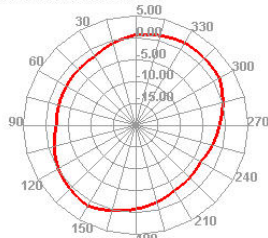
2400.000MHz E2



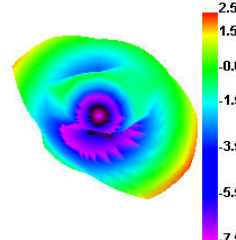
2450.000MHz



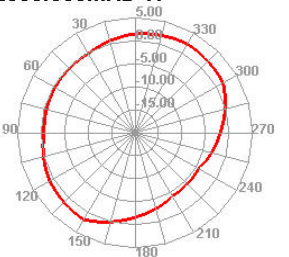
2450.000MHz H



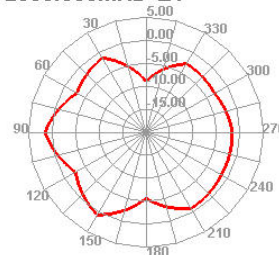
2500.000MHz



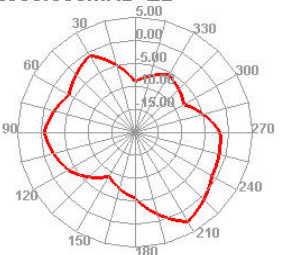
2500.000MHz H



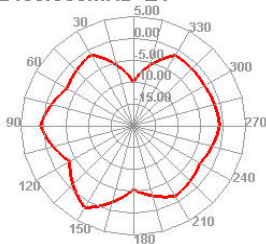
2500.000MHz E1



2500.000MHz E2



2450.000MHz E1



2450.000MHz E2

