



SPECIFICATION FOR APPROVAL

2025102801
File No. _____
1.0
Revision _____

CUSTOMER: _____

CUSTOMER NO: M500

PART NAME: FPC WIFI Antenna L=53.7*7.8MM

SL233P.300020.P01
SUPPLIER NO: _____

Date: _____ Q'TY: _____ PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

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



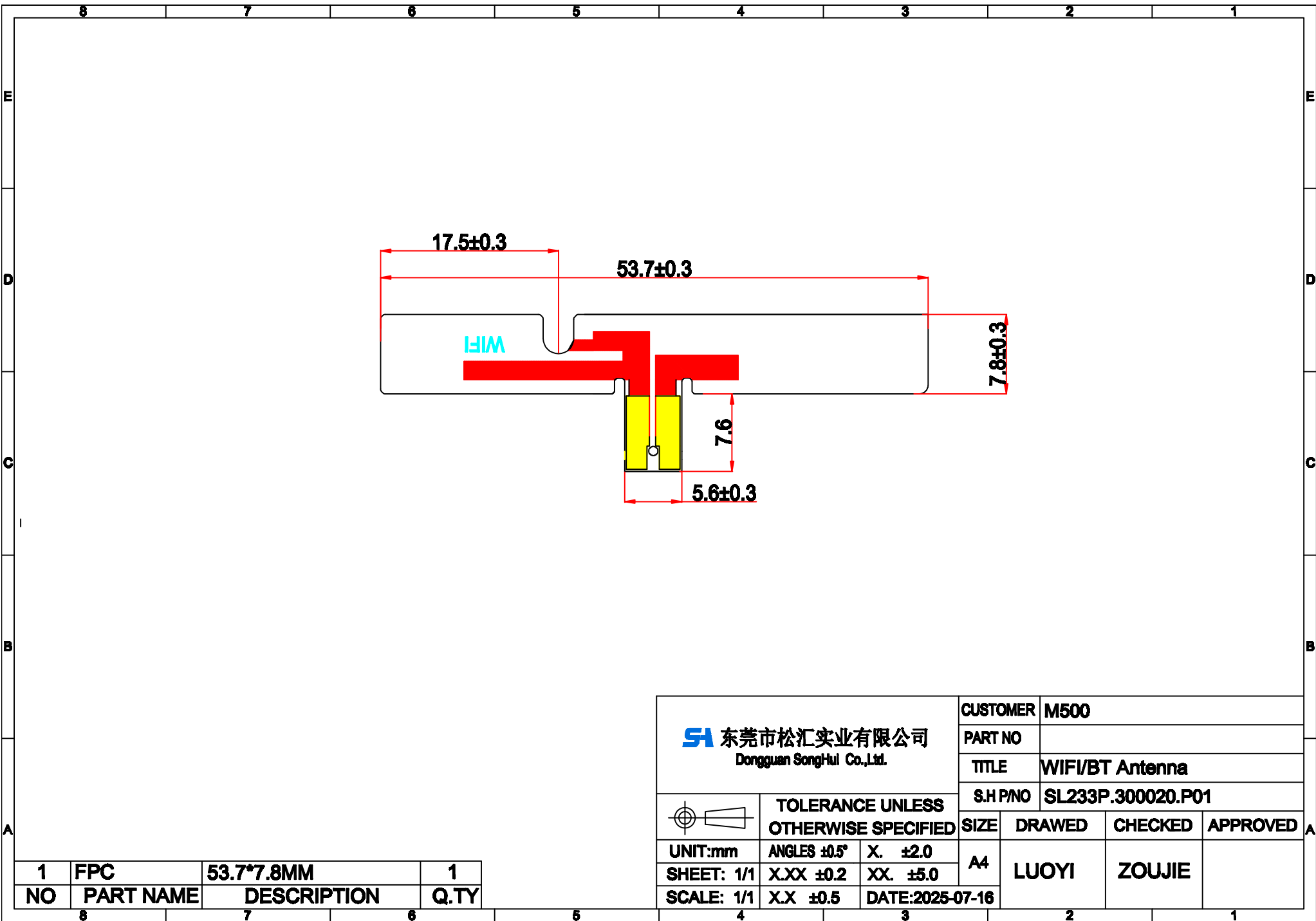
Item list of the acknowledgement

NO.	内 容 (Contents)	页 数 (Number of Page)	页 码 (Page Code)
1	Spec Cover	1	1
2	Spec Item	1	2
3	Drawing	1	3
4	Test Reports	1	4
5	S Parameter	1	5
6	Gain Test	1	6
7			
8			
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-

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Test Reports

Electrical Properties	
Frequency	2400-2500/5150-5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.0dBi
Efficiency	>45%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	
Physical Properties	
Antenna Material	FPC
Cable Type	
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	

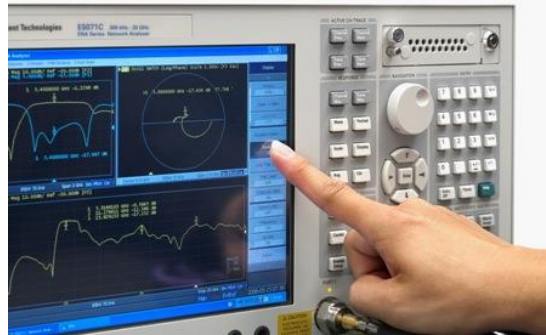
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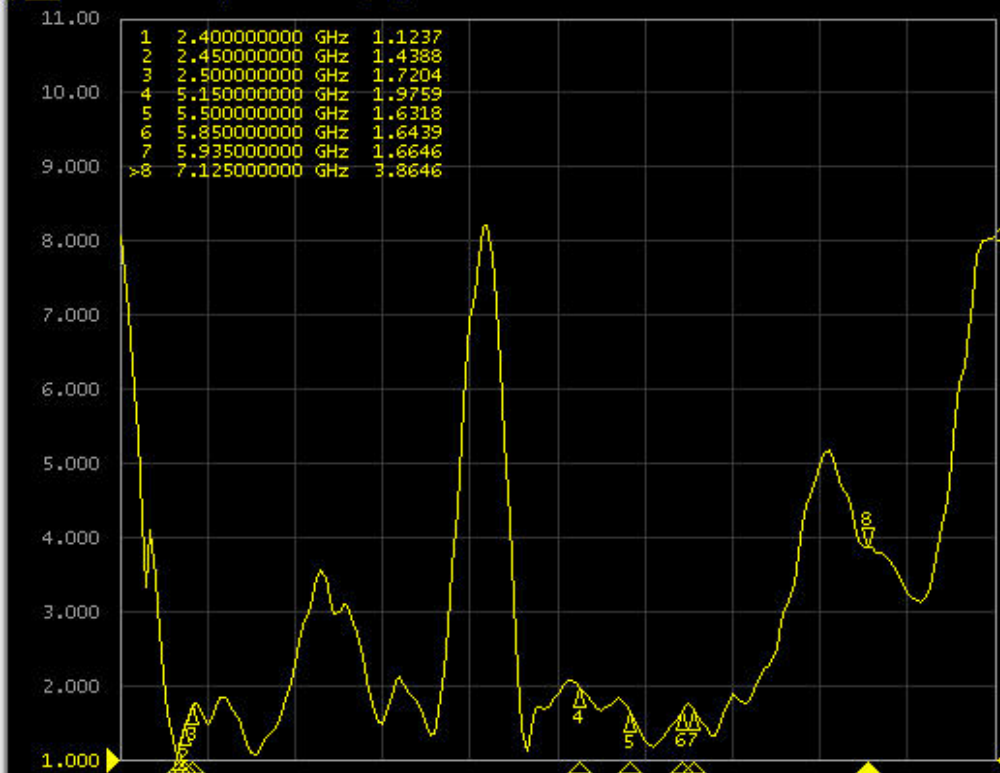
S Parameter Test

Agilent E5071C



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

▶ F1 S11 SWR 1.000/ Ref 1.000 [F1]



1 Start 2 GHz

IFBW 70 kHz

Stop 8 GHz

Cor

Meas Stop ExtRef Ready Svc 2025-10-28 16:38

System

Print

Abort Printing

Printer Setup

Invert Image

ON

Dump

Screen Image

E5091A Setup

Misc Setup

Backlight

ON

Firmware

Revision

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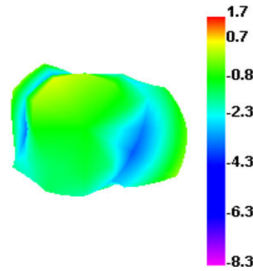
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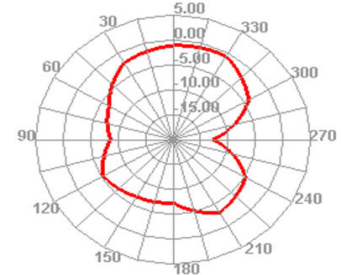
5. Antenna - Radiation Pattern Test Data

Freq (MHz)	Effi (%)	Gain (dBi)
2400	50.23	1.67
2410	50.37	2.05
2420	49.9	2.26
2430	51.41	2.67
2440	54.93	2.84
2450	61.86	3.12
2460	60.24	3.13
2470	59.49	3.14
2480	60.28	3.35
2490	63.36	3.74
2500	59.88	2.23
Freq (MHz)	Effi (%)	Gain (dBi)
5150	47.72	2.79
5170	50.1	2.68
5190	49.83	2.51
5210	49.62	2.29
5230	51.15	1.96
5250	48.78	1.45
5270	49.61	1.2
5290	51.5	1.52
5310	47.73	1.28
5330	49.53	1.37
5350	53.04	2.37
5370	50.38	2.09
5390	48.15	1.48
5410	48.14	1.92
5430	47.08	1.29
5450	51.65	1.28
5470	46.16	0.88
5490	46.89	1.23
5510	49.68	1.54
5530	53.29	1.32
5550	51.16	1.08
5570	53.8	1.3
5590	53.45	0.8
5610	52.49	1.11
5630	51.11	1.38
5650	49.21	0.9
5670	49.3	0.9
5690	48.62	1.14
5710	46.08	1.44
5730	52.2	1.18
5750	50.52	1.09
5770	55.14	1.03
5790	53.39	1.43
5810	49.14	1
5830	50.64	1.56
5850	49.56	1.05

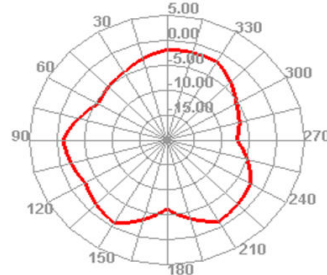
2400.000MHz



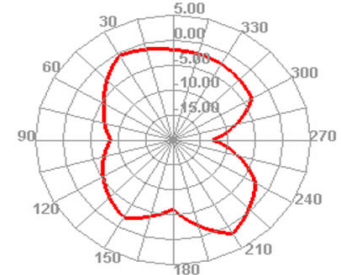
2400.000MHz H



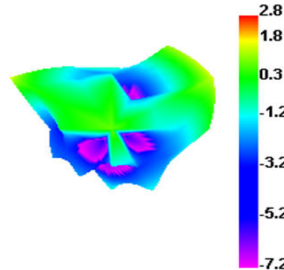
2400.000MHz E1



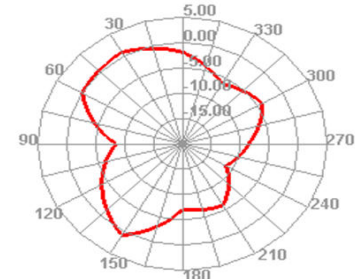
2400.000MHz E2



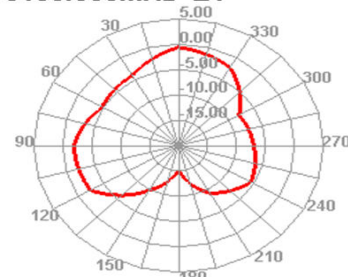
5150.000MHz



5150.000MHz H



5150.000MHz E1



5150.000MHz E2

