

Part Approved Sheet

Customer	DONGGUAN CE LINK LIMITED
Edition P.N	
Product Name	2.4-5.8G FPC Antenna
Type Specification	2.4-5.8G FCB Antenna L34.1*W16.4mm MHF1 /1.13 Black line L=65MM

Prepared by	Checked by	Approved by

Customer Approval		Checked by	Approved by
☐ Pass			
☐ Fail			

Supplier Name: Dongguan Songhui Co., LTD

Company address: No. 24, Juxiang 2nd Road, Lane Tail Village, Daliang Town, Dongguan City

Contact/phone: sunny:18688665308

fax: 0769-822261765

Email box: 909095018@qq.com



SPECIFICATION FOR APPROVAL

2024111101
File No. _____
1.0
Revision _____

CUSTOMER: _____

CUSTOMER NO: W2000

PART NAME: WIFI Antenna1.13Black line1/MHF1L=65MM

SUPPLIER NO: SL308P.300006.P01

Date:

Q'TY: PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

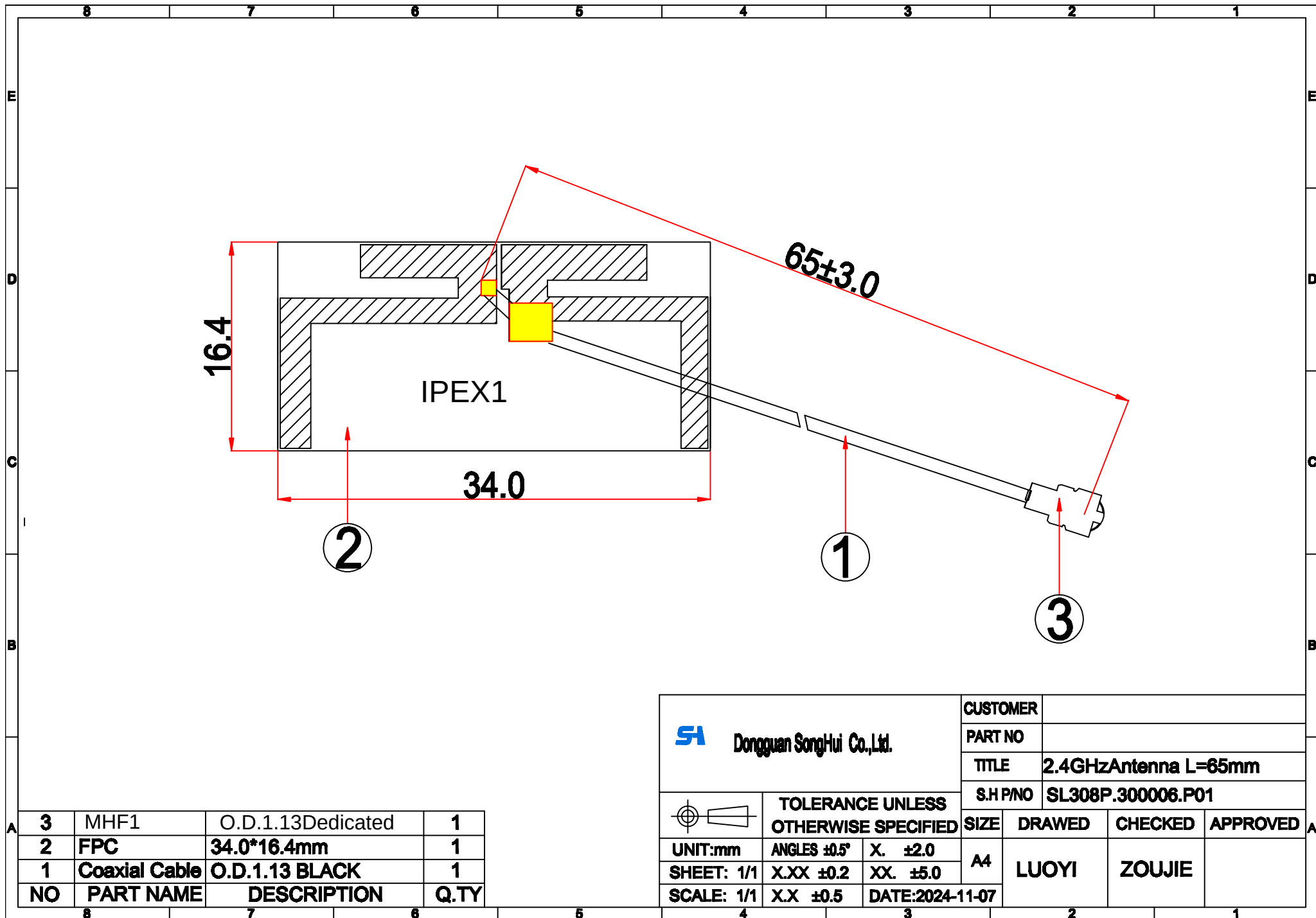
SH-RD-F04-A

add: No. 24, Juxiang 2nd Road, Lane Tail Village, Daliang Town, Dongguan City

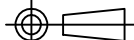


Spec Item

NO.	(Contents)	(Number of Page)	(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	-	-	-



3	MHF1	O.D.1.13Dedicated	1
2	FPC	34.0*16.4mm	1
1	Coaxial Cable	O.D.1.13 BLACK	1
NO	PART NAME	DESCRIPTION	Q.TY

 Dongguan SongHui Co.,Ltd.			CUSTOMER			
			PART NO			
			TITLE		2.4GHzAntenna L=65mm	
			S.H P/NO		SL308P.300006.P01	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWED	CHECKED	APPROVED
UNIT:mm	ANGLES ±0.5°	X. ±2.0	A4	LUOYI	ZOUJIE	
SHEET: 1/1	X.XX ±0.2	XX. ±5.0				
SCALE: 1/1	X.X ±0.5	DATE:2024-11-07				



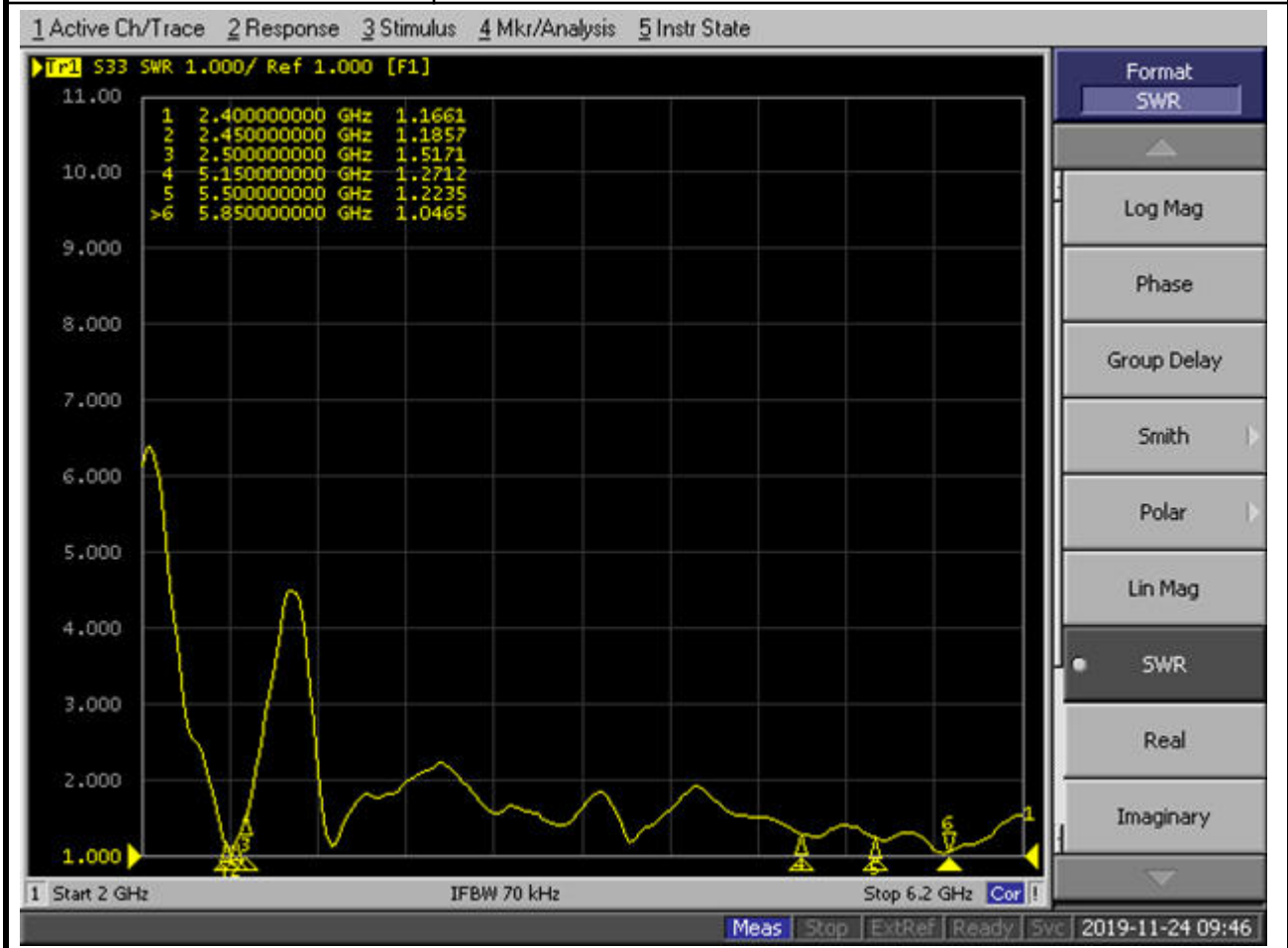
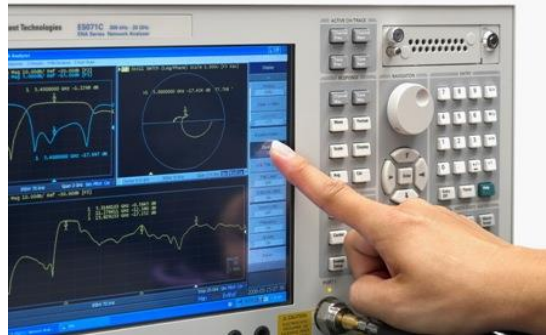
Test Reports

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)	2.0dBi
Efficiency	>60%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF1
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // L=65mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

add : No. 24, Juxiang 2nd Road, Lane Tail Village, Daliang Town, Dongguan City

S Parameter Test

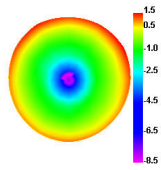
Agilent E5071C



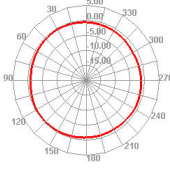
Gain, Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	73.7	1.48
2410	74.54	1.58
2420	71.66	1.47
2430	71.54	1.5
2440	66.99	1.2
2450	67.58	1.09
2460	62.89	0.53
2470	60.08	0.25
2480	58.35	0.44
2490	60.31	0.66
2500	59.29	0.5

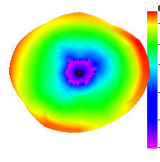
2400.000MHz



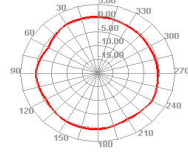
2400.000MHz H



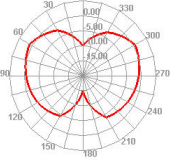
5150.000MHz



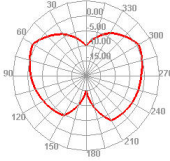
5150.000MHz H



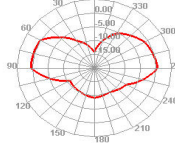
2400.000MHz E1



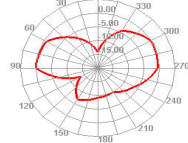
2400.000MHz E2



5150.000MHz E1

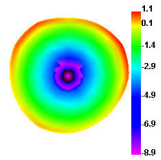


5150.000MHz E2

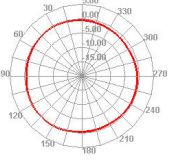


Freq (MHz)	Effi (%)	Gain (dBi)
5150	50.46	0.57
5170	47.38	0.32
5190	44.33	-0.01
5210	44.53	0.12
5230	42.72	0.18
5250	40.48	0.3
5270	37.94	0.31
5290	41.2	0.89
5310	40.97	0.95
5330	45.36	1.37
5350	50.88	1.54
5370	49.77	1.1
5390	44.45	0.4
5410	53.32	1.09
5430	43.28	0.18
5450	38.38	0.51
5470	34.89	0.92
5490	31.01	1.11
5510	30.4	1.01
5530	35.46	0.04
5550	39.81	0.62
5570	46.72	1.51
5590	48.44	1.74
5610	55.09	2.15
5630	52.73	1.69
5650	53.26	1.27
5670	50.62	0.75
5690	50.95	0.88
5710	46.04	0.57
5730	48.34	0.7
5750	48.07	0.55
5770	45.03	0.07
5790	46.99	0.17
5810	45.36	0.01
5830	44.91	-0.28
5850	43.14	-0.12

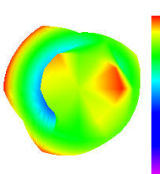
2450.000MHz



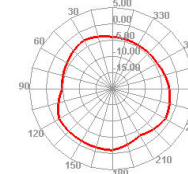
2450.000MHz H



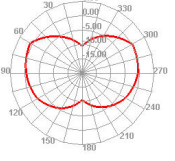
5490.000MHz



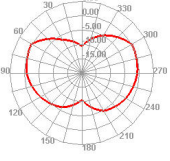
5490.000MHz H



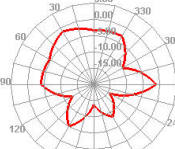
2450.000MHz E1



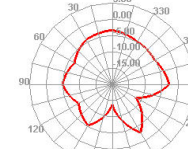
2450.000MHz E2



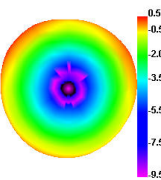
5490.000MHz E1



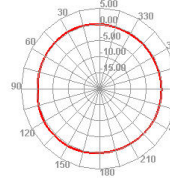
5490.000MHz E2



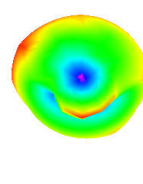
2500.000MHz



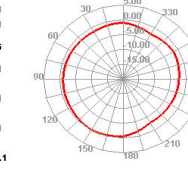
2500.000MHz H



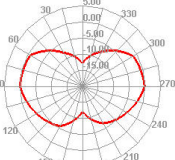
5850.000MHz



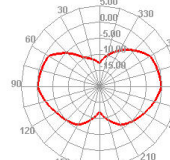
5850.000MHz H



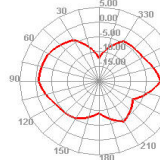
2500.000MHz E1



2500.000MHz E2



5850.000MHz E1



5850.000MHz E2

