

Part Approved Sheet

Customer	CE LINK LIMITED
Edition P.N	
Product Name	2.4G-5.8G PCB Antenna
Type Specification	2.4G -5.8G Antenna: Manufacturer Model: SL308P.300020. Antenna Type: PCB Antenna Dimensions: 29.1*37*0.7mm, Cable Length 66mm with Ad hesive Backing ~ Gain: 2.99dBi Frequency Range: 2400-2500/5150-58 50)Hz ~ Input Impedance: 50Ω ~ Polarization: Polarization ~ Environme ntal Requirements: ROHS2.0

Prepared by	Checked by	Approved by

Customer Approval		Checked by	Approved by
☐ Pass			
☐ Fail			

Supplier Name Dongguan Songhui Co., Ltd.

Company Address: 10th Floor, Building 2, No. 307 Fusheng Road, Dalang Town, Dongguan City

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Dongguan SongHui Co.,Ltd.

SPECIFICATION FOR APPROVAL

File No : 2026020401
Revision : 1.0

CUSTOMER: CE LINK LIMITED

CUSTOMER NO: _____

PART NAME: 2.4~5.8G antenna 1.13 black cable
1st gen terminal L=66MM

SL308P.300020.P01
SUPPLIER NO: _____

Date:

Q'TY:

PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

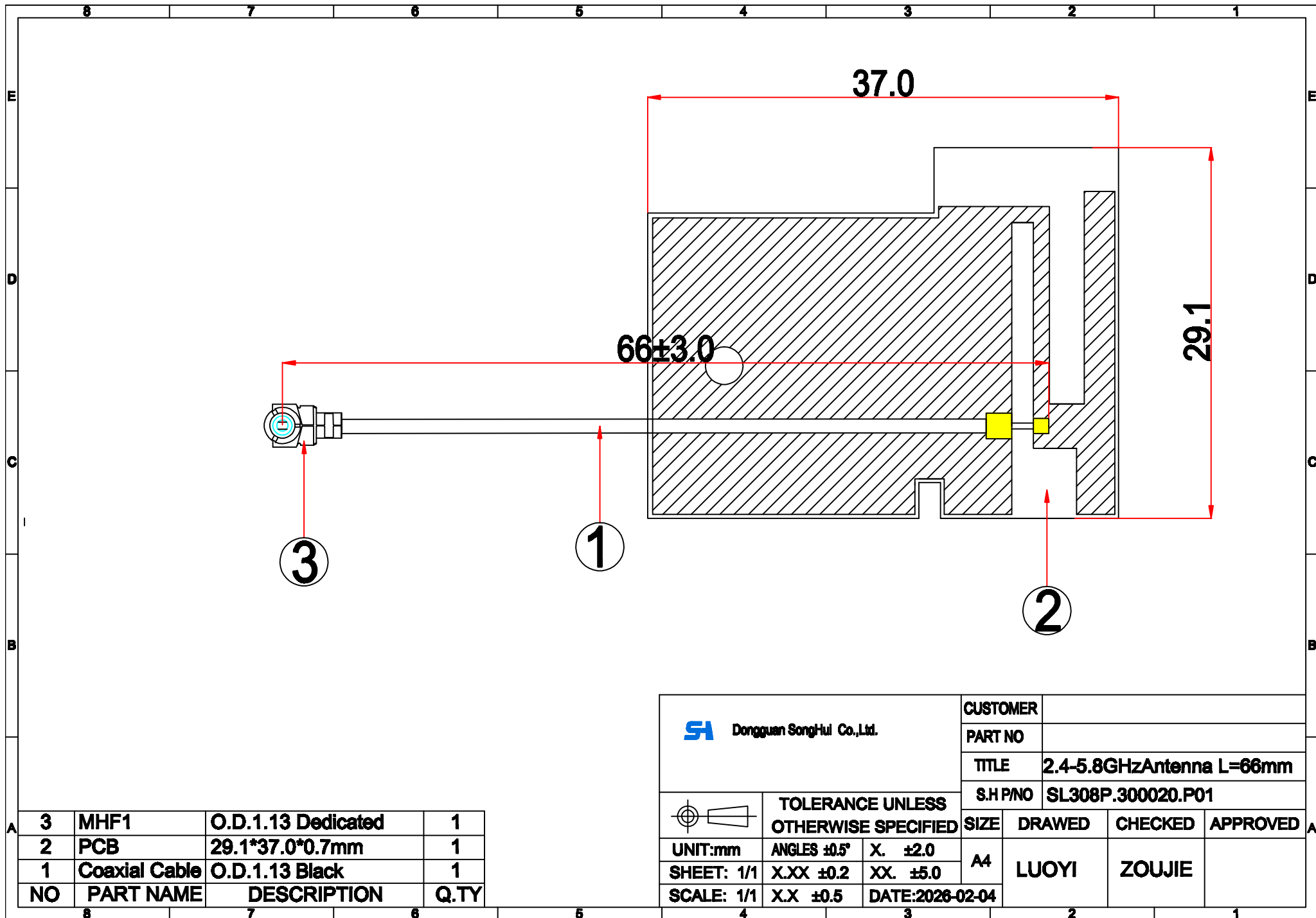
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F04-A

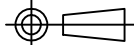


Acknowledgment Letter Project List

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3	MHF1	O.D.1.13 Dedicated	1
2	PCB	29.1*37.0*0.7mm	1
1	Coaxial Cable	O.D.1.13 Black	1
NO	PART NAME	DESCRIPTION	Q.TY

 Dongguan SongHui Co.,Ltd.			CUSTOMER			
			PART NO			
			TITLE		2.4-5.8GHzAntenna L=66mm	
			S.H P/NO		SL308P.300020.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:2026-02-04				



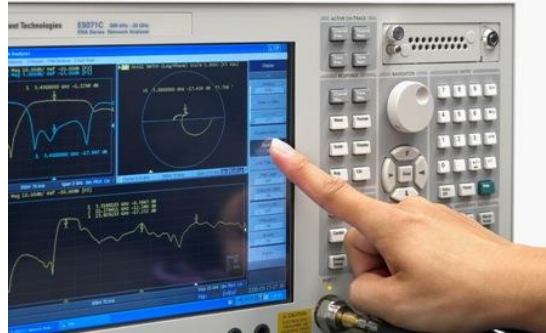
Test Reports

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)	2.99dBi MAX
Efficiency	73.5% MAX
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF1
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 1.13mm // L=66mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black



S Parameter Test

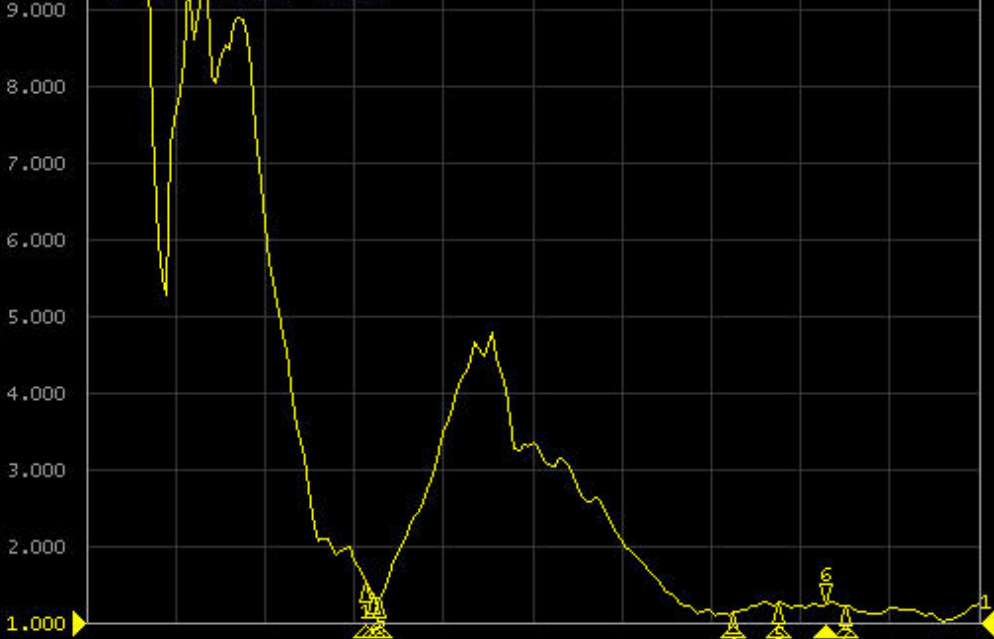
Agilent E5071C



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

► Tr1 S11 SWR 1.000/ Ref 1.000 [F2]

1	2.4000000 GHz	1.5310
2	2.4500000 GHz	1.3603
3	2.5000000 GHz	1.3305
4	2.5500000 GHz	1.1269
5	2.6000000 GHz	1.2561
6	2.6500000 GHz	1.2406
7	2.7000000 GHz	1.2226



1 Start 300 MHz

IFBW 70 kHz

Stop 7 GHz

PExt Cor

Meas

Stop

ExtRef

Ready

Svc

2025-08-24 19:34

System

Print

Abort Printing

Printer Setup...

Invert Image

ON

Dump
Screen Image...

Multiport Test Set
Setup

Misc Setup

Backlight

ON

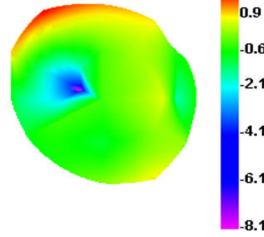
Firmware
Revision

Gain Efficiency/3D Pattern

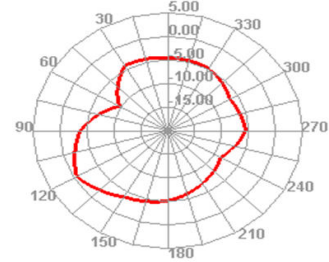
Freq (MHz)	Effi (%)	Gain (dBi)
2400	51.09	1.92
2410	52.37	2.21
2420	53.06	2.34
2430	53.15	2.56
2440	53.41	2.45
2450	55.3	2.41
2460	64.89	2.96
2470	66.46	2.86
2480	64.02	2.71
2490	61.23	2.86
2500	63.56	2.88

Freq (MHz)	Effi (%)	Gain (dBi)
5100	55.22	2.82
5120	59.28	2.93
5140	53.72	2.5
5160	57.46	2.5
5180	51.71	1.88
5200	53.19	1.76
5220	47.91	1.13
5240	54.69	1.77
5260	50.94	1.82
5280	54.52	2.25
5300	57.41	2.74
5320	53.59	2.65
5340	50.08	2.53
5360	50.87	2.57
5380	55.03	2.82
5400	61.03	2.99
5420	58.92	2.54
5440	58.1	2
5460	54.36	1.85
5480	53.67	1.77
5500	61.24	2.2
5520	55.01	1.77
5540	50.3	1.37
5560	51.86	1.77
5580	49.87	1.83
5600	63.98	2.91
5620	43.78	1.36
5640	50.42	1.81
5660	50.95	1.74
5680	52.74	1.5
5700	60.52	2.14
5720	52.76	1.19
5740	56.02	1.54
5760	58.35	1.73
5780	58.86	1.77
5800	54.88	1.27
5820	67.08	2.33
5840	63.56	2.11
5860	60.28	2.17
5880	53.52	1.88
5900	59	2.26

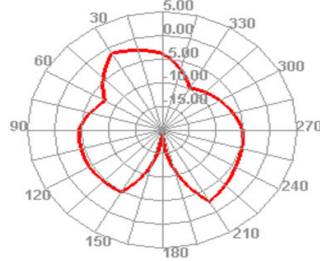
2400.000MHz



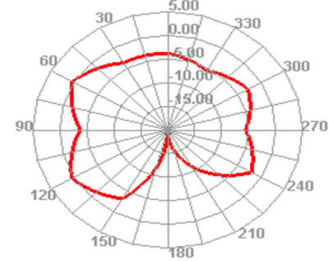
2400.000MHz H



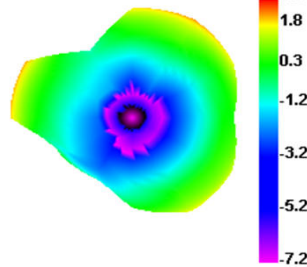
2400.000MHz E1



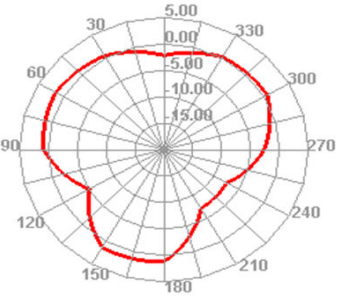
2400.000MHz E2



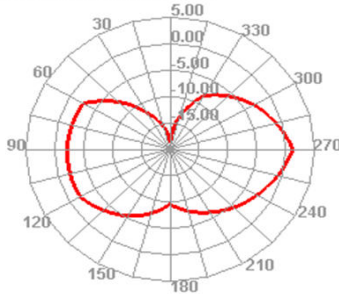
5100.000MHz



5100.000MHz H



5100.000MHz E1



5100.000MHz E2

