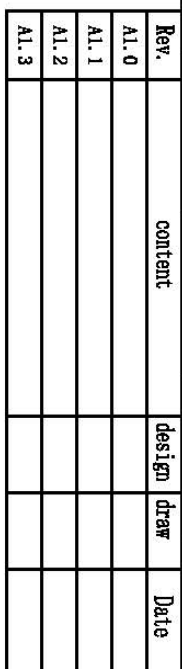


SPECIFICATION FOR CUSTOMS

SUPPLIER:	Shenzhen Tongcheng Unlimited Technology Co., Ltd	
MANUFACTURER:	Shenzhen Tongcheng Unlimited Technology Co., Ltd	
PART LOGO:	TOPO	
PART NAME:	FPC antenna	
SPEC. TYPE:	F100-V1.1	
MONOMER NET WEIGHT(g):	0.38g	
PACKAGE:	Plastic bag+cardboard box	
MIN. PACKAGE QTY (Pcs) :	1000	
MANUFACTURING ORIGIN:	Shenzhen	
DATE:	2026/4/1	
MANUFACTURER		
DRAFTER	CHECK	APPROVER
Zou Fanglan	Liu Chaofeng	Feng Juan
Name of the manufacturer (seal):	Shenzhen Tongcheng Unlimited Technology Co., Ltd	
address:	405, Building A, Jinfulai Building, Dabao Road, Bao'an District 28, Shenzhen	
Tel:	0755-27728733	
Web:	www.topolink.com.cn	
Form encoding: QR-PU-065 version		

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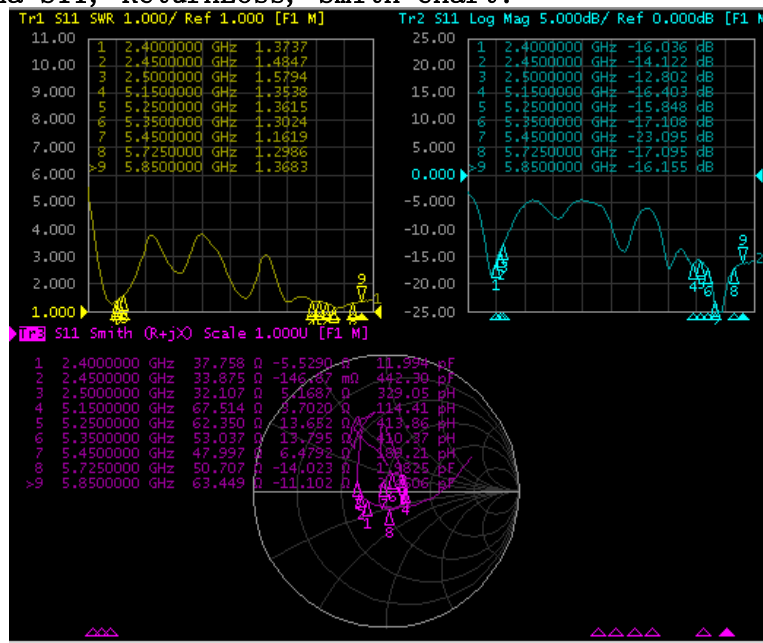
Notes:

1. The product meets the environmental requirements of RoHS2.0.

Work indicators	operation parameters
model	F100-V1.1
Operating Frequency	2400MHZ-2500MHZ/5150MHZ-5850MHZ
operation temperature	' -60+80 degrees
Working humidity	<90%
impedance	50 Ω
package	PE bags and cardboard boxes

Form Code: QR-PU-065 Version: A/3

Antenna S11, ReturnLoss, Smith chart:



Antenna efficiency gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	64.77	2.53
2405	65.89	2.64
2410	65.23	2.66
2415	65.61	2.69
2420	65.85	2.71
2425	66.87	2.76
2430	67.32	2.8
2435	67.68	2.79
2440	67.12	2.75
2445	66.93	2.76
2450	63.86	2.55
2455	61.81	2.34
2460	61.07	2.23
2465	59.82	2.13
2470	57.93	2.02
2475	58.14	2.08
2480	58.6	2.17
2485	59.08	2.23
2490	58.99	2.19
2495	58.47	2.18
2500	58.52	2.26

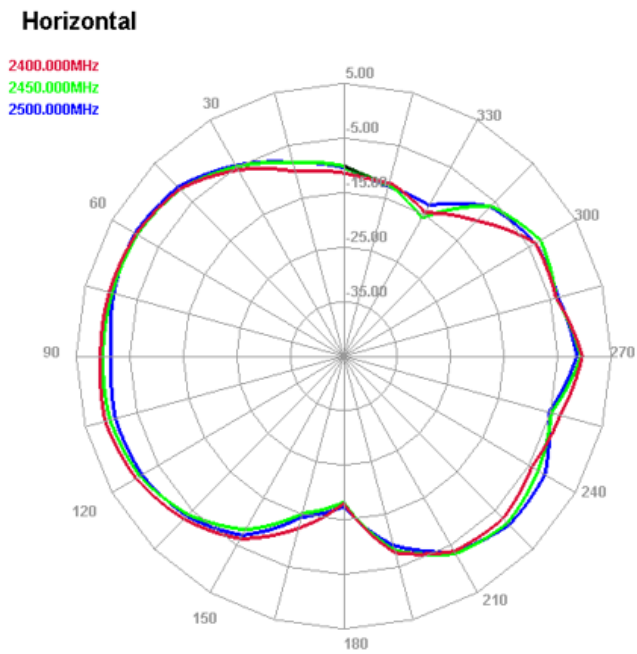
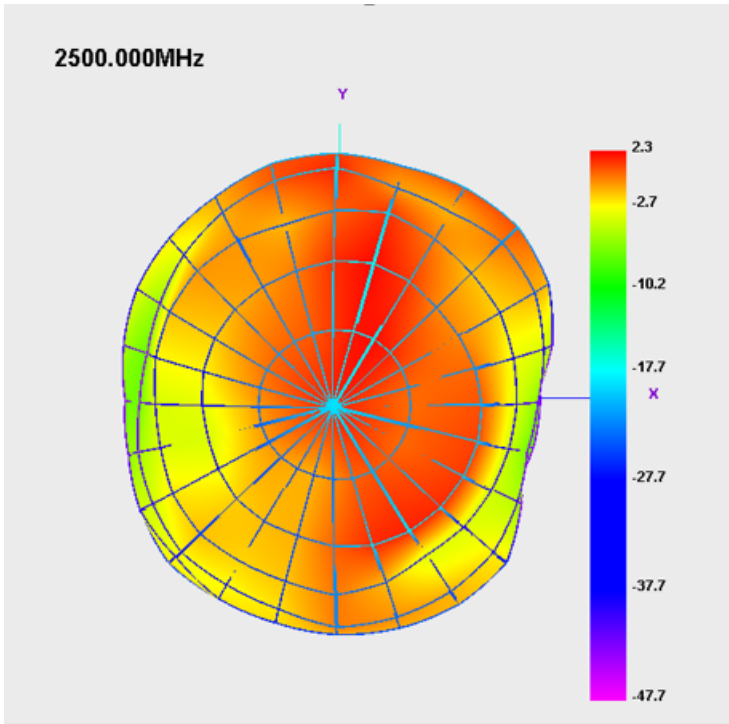
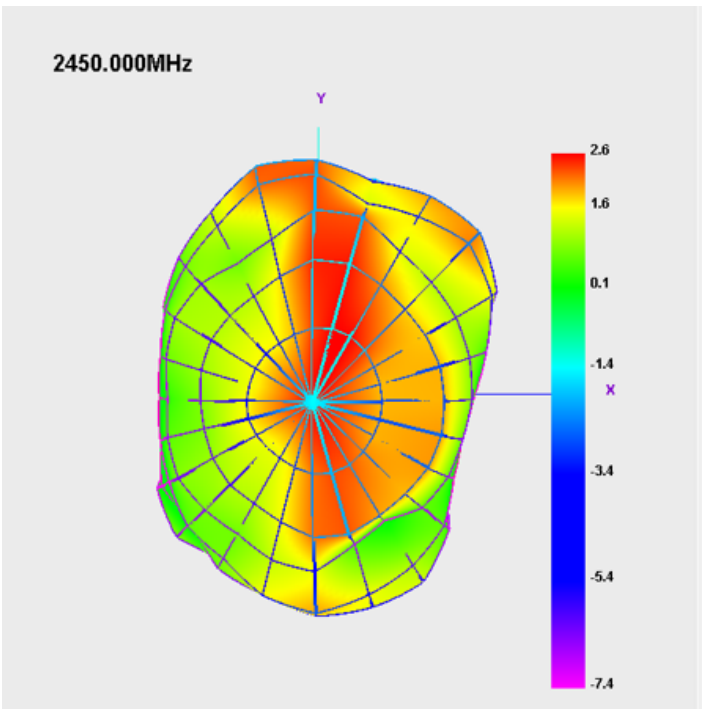
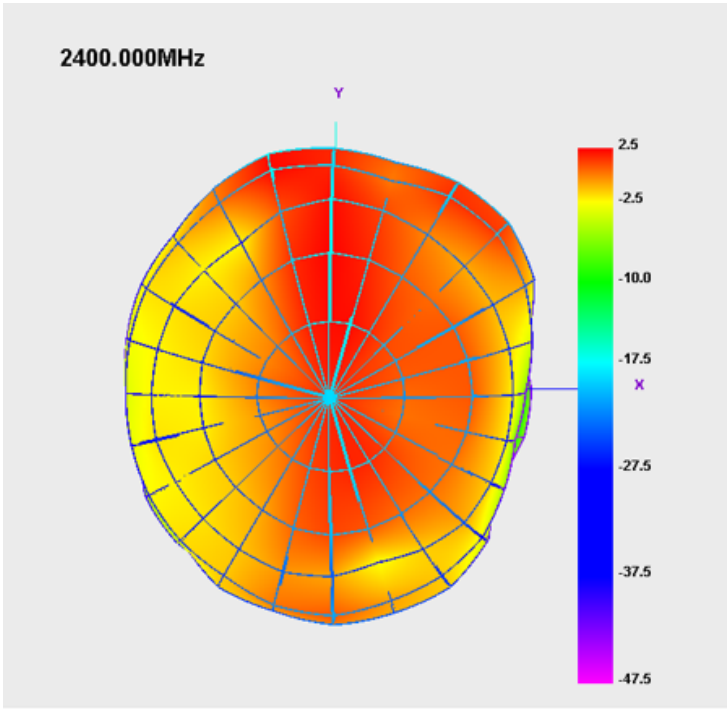
Freq (MHz)	Effi (%)	Gain (dBi)
5150	55.63	2.77
5178	44.17	2.02
5206	41.09	1.77
5234	43.72	1.88
5262	45.71	2.2
5290	44.91	2.12
5318	45.88	2.27
5346	52.98	3.23
5374	50.8	2.99
5402	47.99	2.77
5430	47.37	2.76
5458	46.76	2.56
5486	46.61	2.31
5514	49.43	2.69
5542	48.44	2.61
5570	48.07	2.72
5598	52.45	3.23
5626	53.09	3.41
5654	50.81	3.13
5682	54.03	3.47
5710	54.91	3.73
5738	56.5	3.64
5766	55.73	3.72
5794	56.22	3.67
5822	58.64	3.76
5850	59.44	3.71

WIFI active test data:

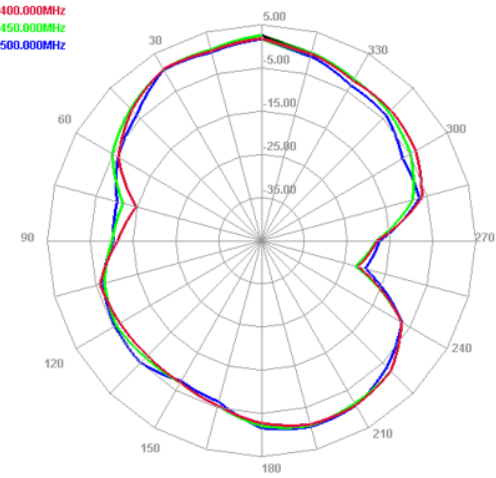
WIFI2.4G b模			
Test	WIFI		
Result	1	6	11
TRP(dBm) 11MBPS	15.74	15.56	15.66
Test	WIFI		
TIS(dBm) 11MBPS			-81.34

WIFI5G a模				
Test	WIFI			
Result		64	149	165
TRP(dBm) 54MBPS	14.78	14.65	14.32	14.79
Test	WIFI			
TIS(dBm) 54MBPS				-72.88

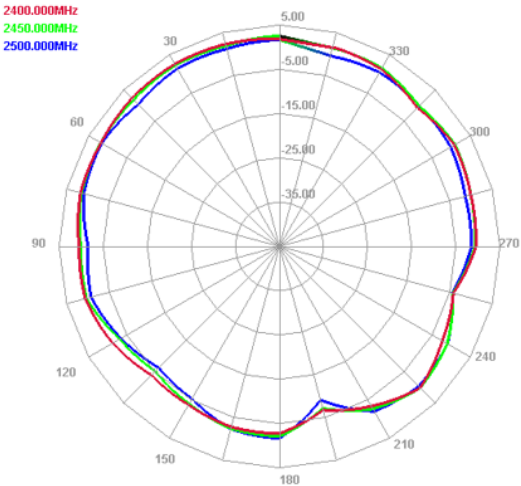
WIFI direction diagram:



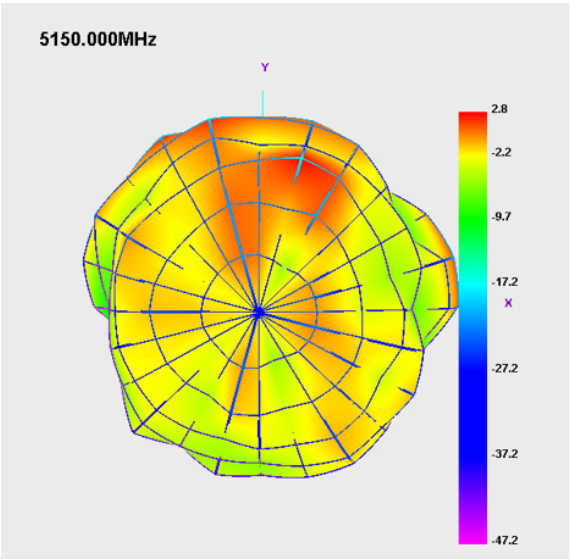
E1 Face



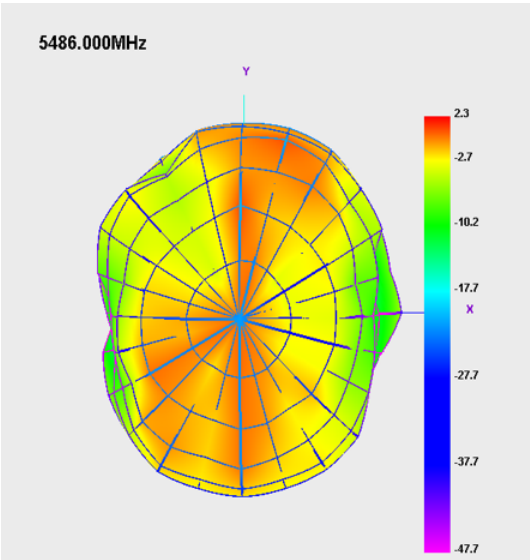
E2 Face



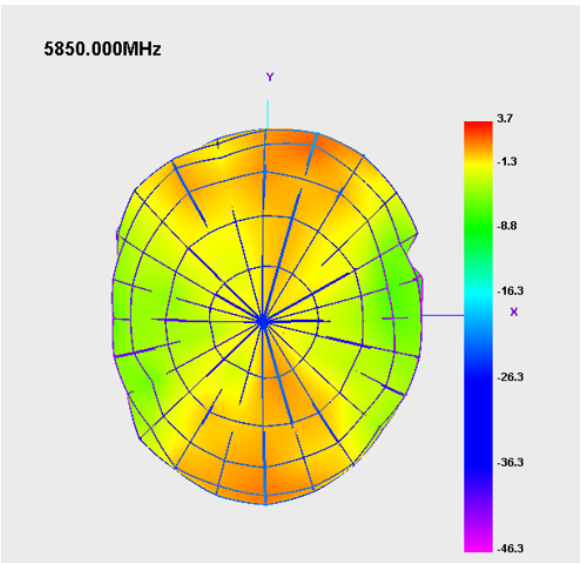
5150.000MHz



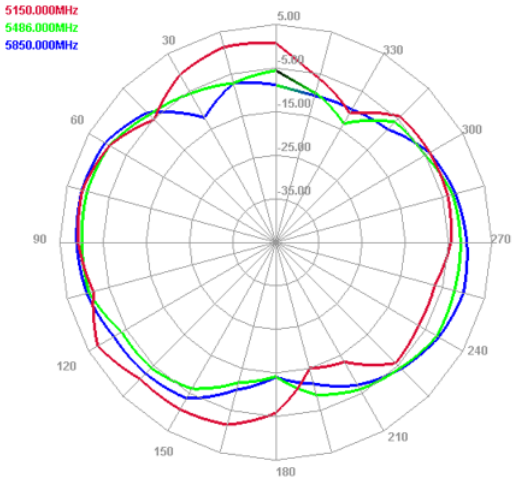
5486.000MHz



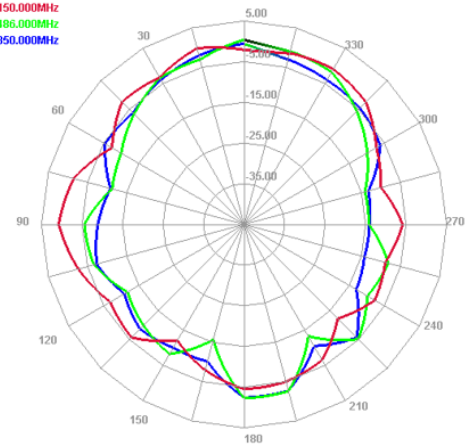
5850.000MHz



Horizontal



E1 Face



E2 Face

