



2.4/5.8GHz WiFi FPC BUILT-IN ANTENNA

TECHNICAL DATA SHEET

TXWF-FPC-3710

VERSION: 3.3 DATE: 2026-04-27

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

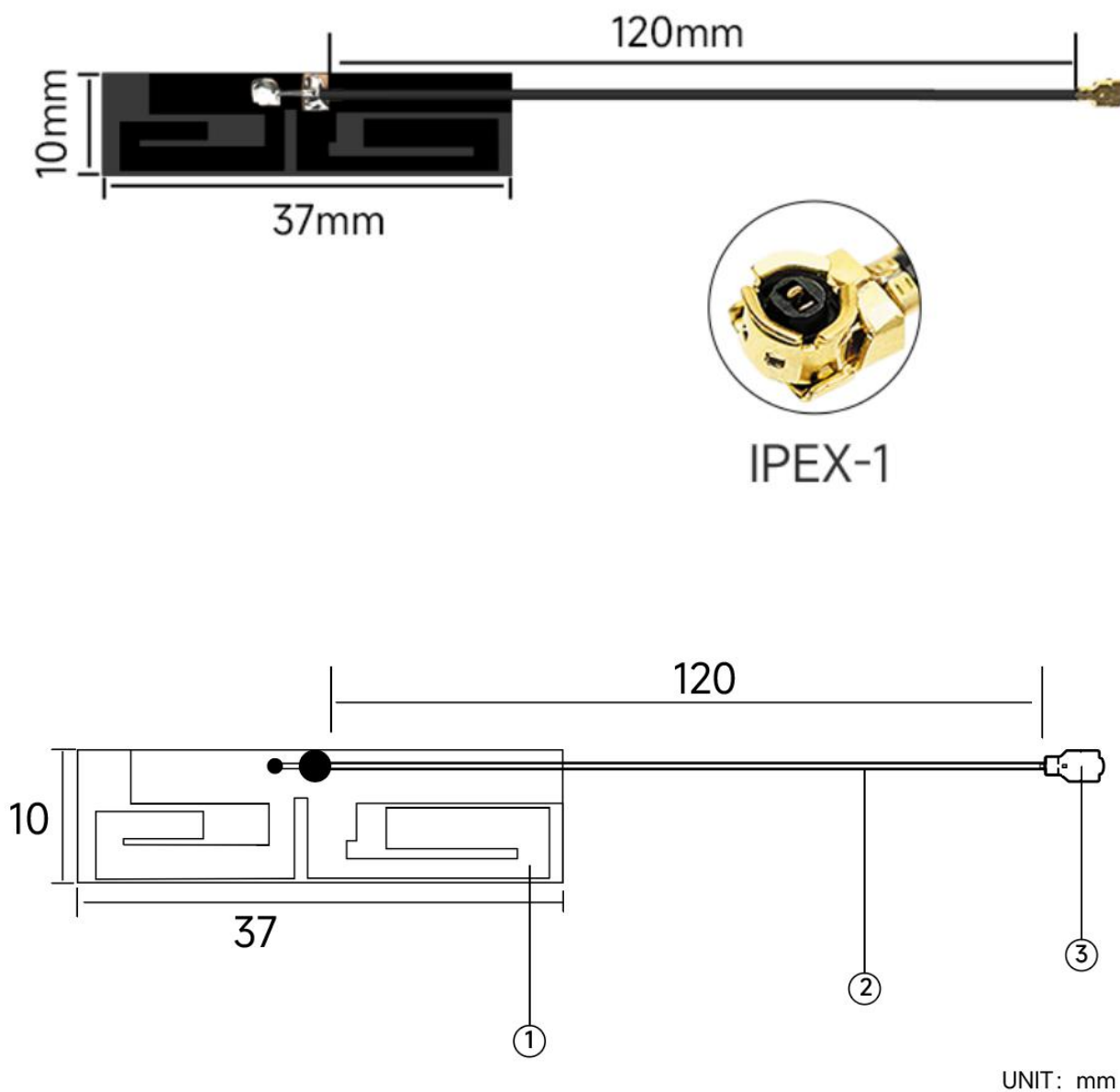
CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNAS



TXWF-FPC-3710

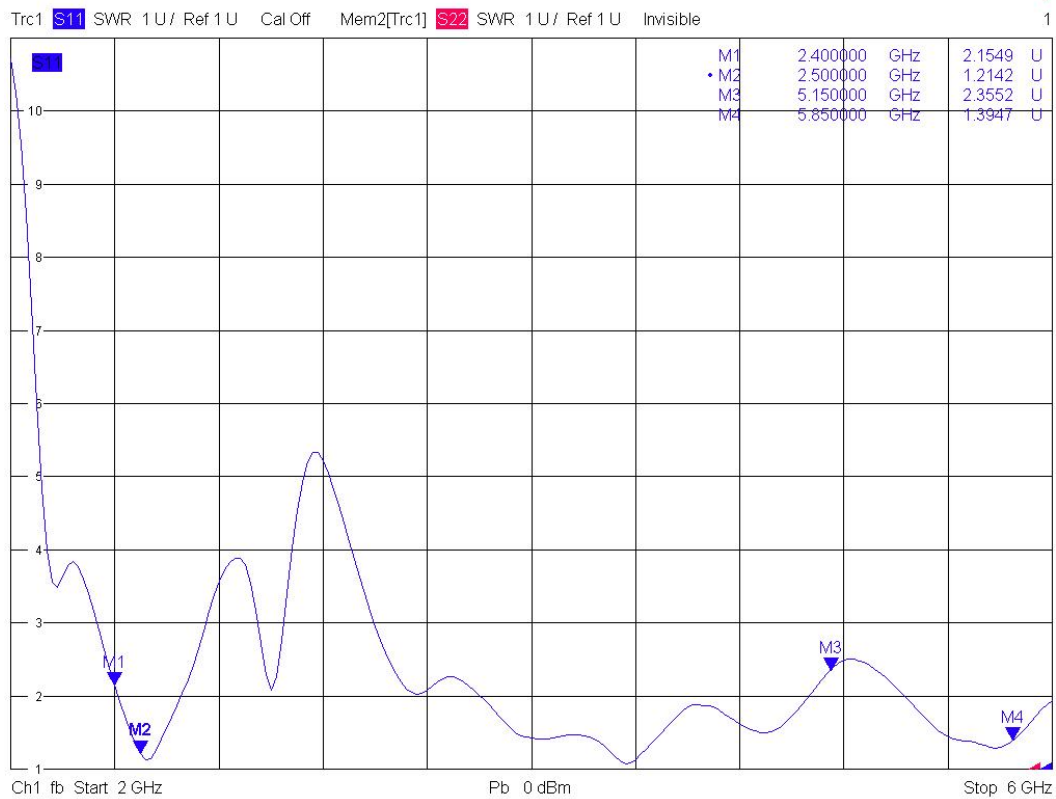
NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TXWF-FPC-3710	Omni Antenna
02	Material	FPC	
03	Connector Type	IPEX-1	
04	Antenna Colour	Black	
05	Overall Size	37*10mm	
06	Cable Length	120mm	Cable Customizable
07	Weight	1g	
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	2.4/5.8GHz	2.4~2.5;5.15-5.85GHz
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Max Input Power	2W	
077	S.W.R.	≤2.0	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-40°C ~ +85°C	
02	Storage Temperature	-40°C ~ +85°C	
03	RoHS Compliant	YES	
04	Manufacturer	Chengdu Ziisor Technology Co., Ltd.	
05	Address	B5 Molding Tool Industry Park, No.199 Xiqu Avenue, Chengdu, China	

MECHANICAL DRAWING

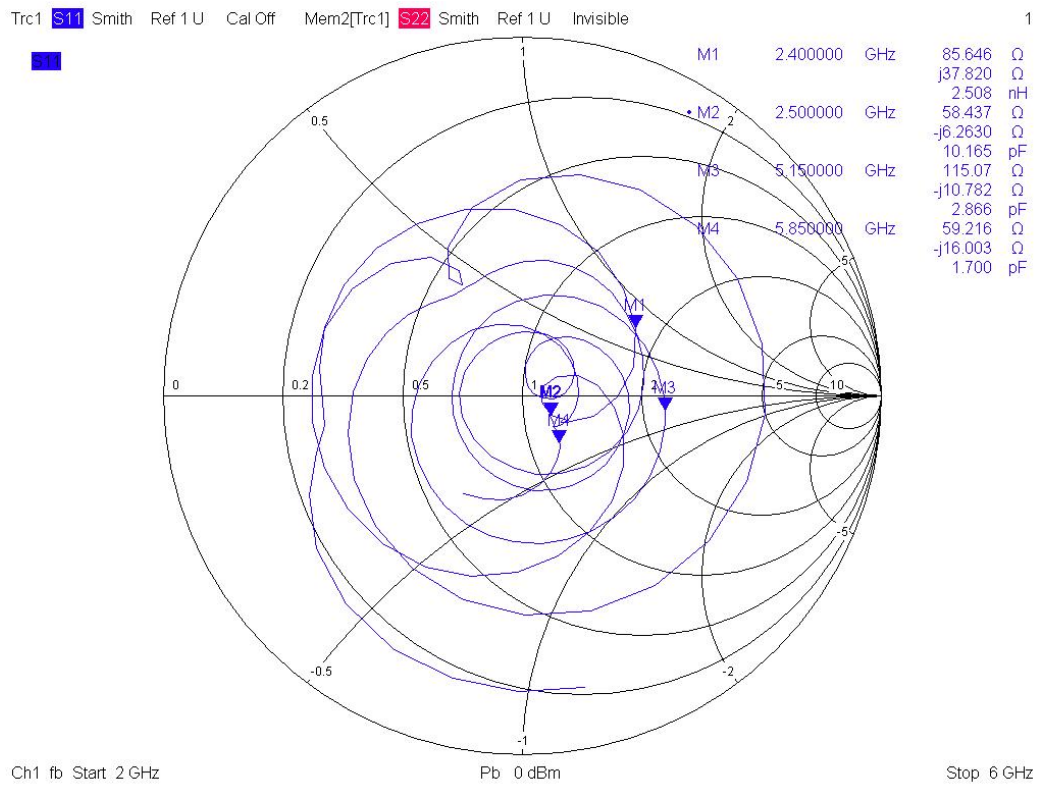


ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
1	Body	1	FPC
2	Shell	1	RF1.13 cable
3	Connector	1	IPEX-1

S. W.R.



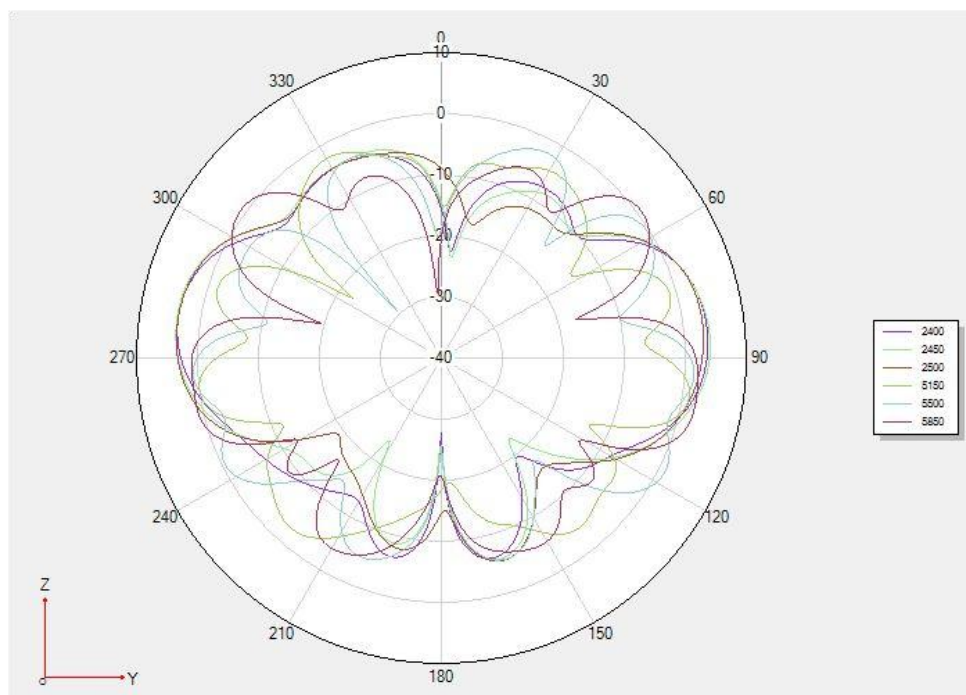
SMITH



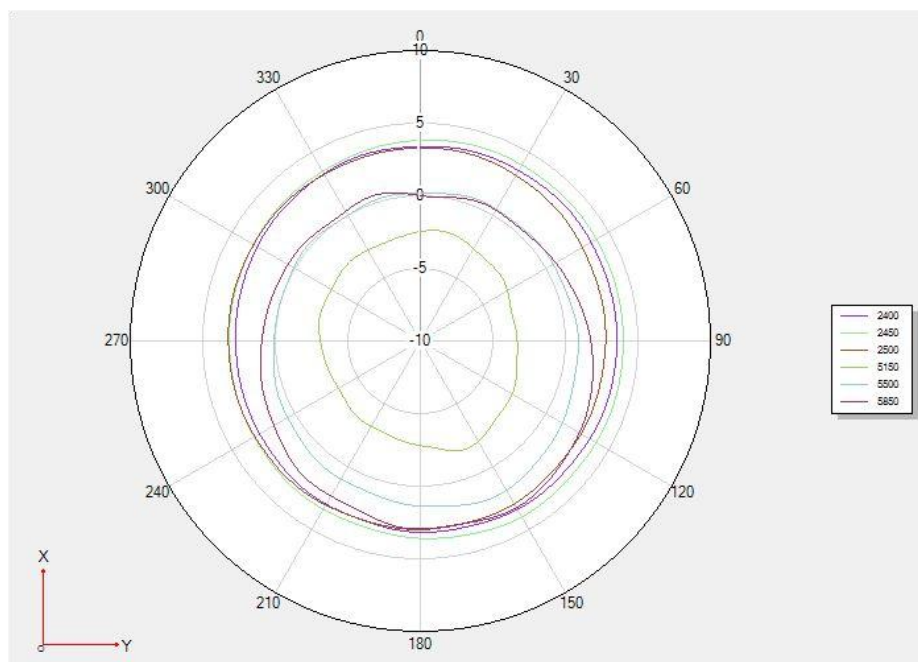
Test Parameters - Efficiency, Gain

Frequency/Mhz	Efficiency/ %	MaxGain/dBi
2400	53.95	0.42
2410	55.21	0.58
2420	55.08	0.64
2430	56.10	0.77
2440	56.62	0.81
2450	57.02	1.21
2460	58.88	1.34
2470	59.98	1.47
2480	59.16	1.49
2490	57.94	1.40
2500	59.57	1.47
AVG	57.23	1.05
5130	59.7	1.09
5160	58.23	0.8
5190	59.5	0.92
5220	58.23	0.85
5250	52.44	1.2
5280	50.54	1.43
5310	57.62	1.1
5340	51.66	1.31
5370	54.33	1.55
5400	56.1	1.34
5430	53.37	1.59
5460	52.6	1.68
5490	51.66	1.88
5520	59.8	2.01
5550	54.53	2.26
5580	56.9	2.42
5610	55.86	1.99
5640	51.47	1.56
5670	55.05	1.38
5700	50.54	1.21
5730	56.9	0.99
5760	52.47	1.06
5790	53.18	1.35
5820	50.35	1.21
5850	52.68	1.01
VAG	54.62	1.40

Test Parameters - Radiation Pattern - 2D

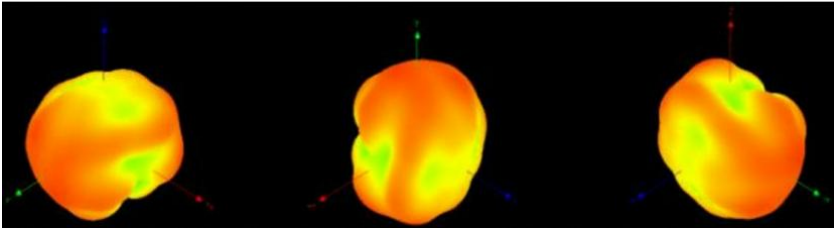
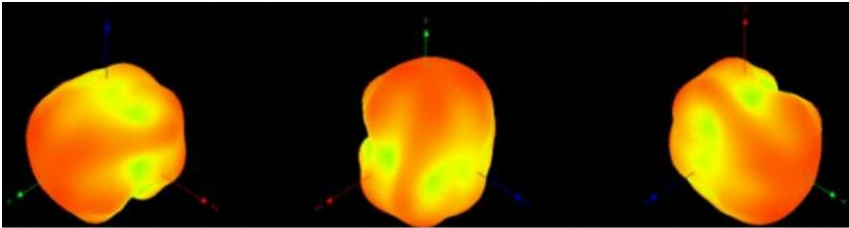
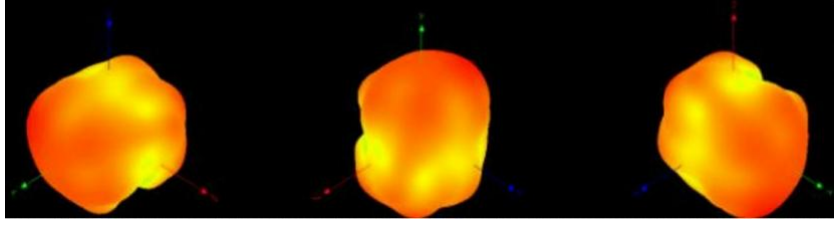
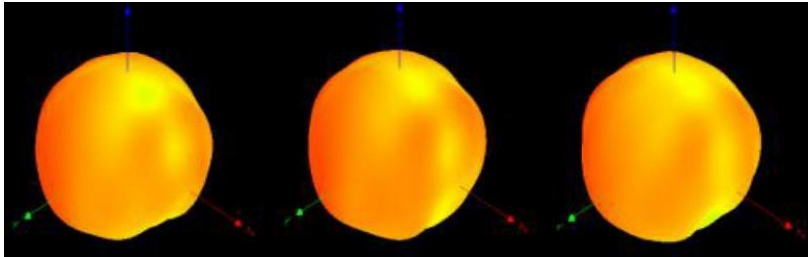
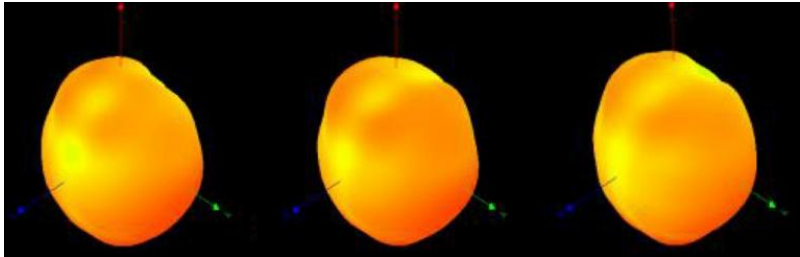


2.4G/5.8GHz Theta 90 2D图



2.4G/5.8GHz Phi 90 2D图

Test Parameters - Radiation Pattern - 3D

2400MHz	
2450MHz	
2500MHz	
5150MHz	
5850MHz	

DISCLAIMER

In order to provide our users with better service, Chengdu Ziisor Technology Co., Ltd (hereinafter referred to as ziisor) will try to present as detailed and accurate product information as possible in this manual. However, due to the timeliness of the manual content, ziisor shall not absolutely guarantee the unlimited timeliness and applicability of the file. Ziisor has the right to update the manual content without further notice. To get the latest edition information, pls visit the official website of ziisor or contact our customer service staff. Thanks for your trust and support!

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