



SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

CUSTOMER P/N:

PRODUCT P/N: Z1C360F3D38A

PRODUCT NAME: 2.4GHz-5.8GHz Antenna

Z1C360F3D38A/2.4GHz-5.8GHz Built in FPC

antenna/1.13 black wire L=360mm+domestic IPEX

Description: (first generation)

REV: A

Factory seal

SIGN	APPROVED BY	CHECKED BY	DRAMN

Customer signature

SIGN	QE	R&D	PE



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一、 (Revision History) :

Reversi on	Revisi on page	Change date	Revised by	Reason and content for revision	Remarks
A	-	2025.11.03	EVIEN	First Edition	

Instructions:

This specification is generally valid for 1 year;

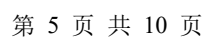
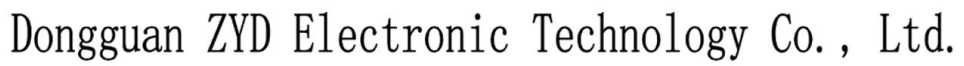
If either party needs to make modifications, it must be agreed upon by both parties through consultation before implementation;

If neither party requests any modifications after the expiration of this specification, the validity period of this specification shall be extended by one year.



二、 Specification Sheet:

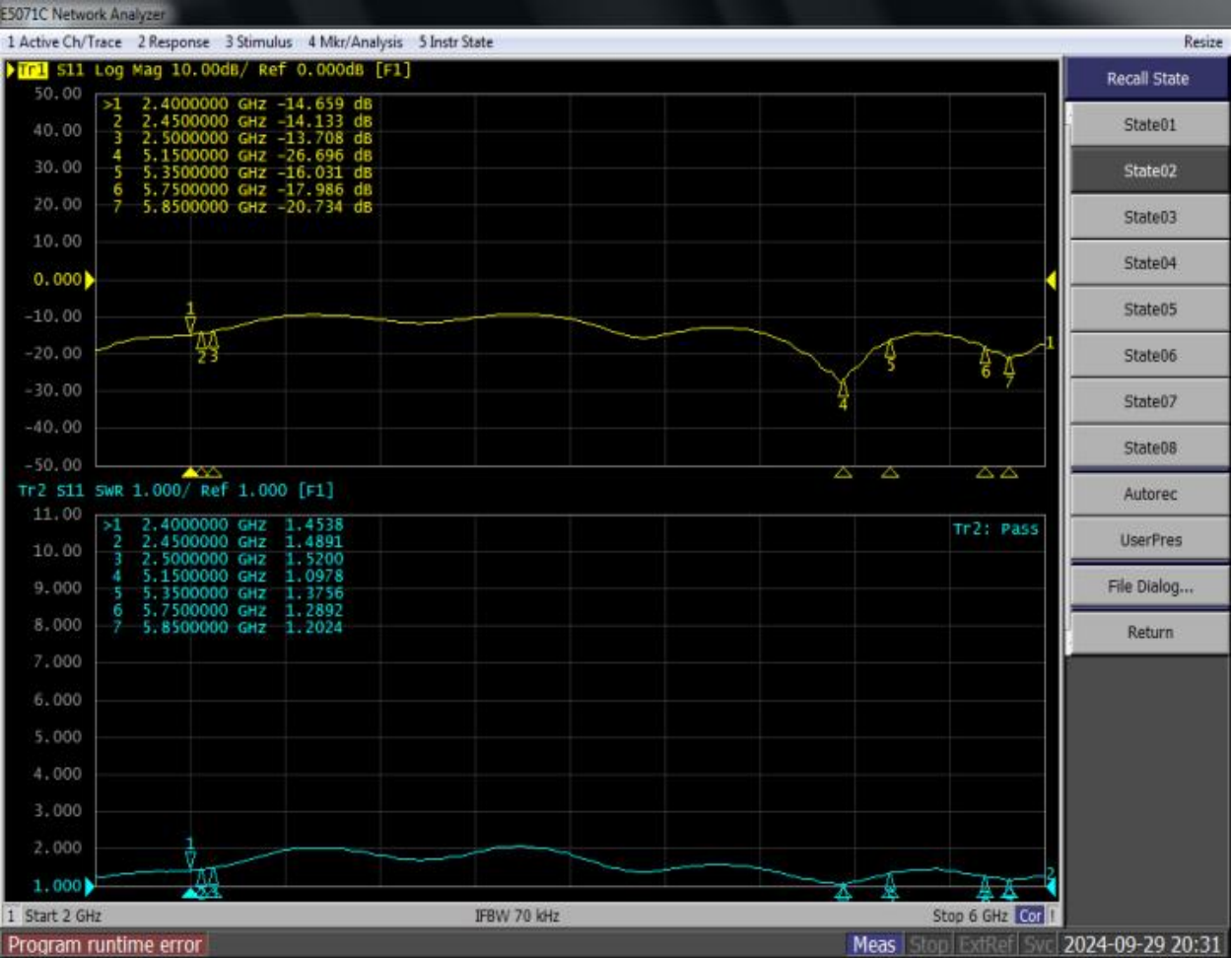
Main technical specifications	
Frequency Range (MHZ)	2400-2500/5150-5850
Impedance(Ω)	50
Gain(dBi)	1.5 ~ 5
VSWR	≤ 2.0
Polarization	vertical
Radiation	Omni-directional
Physical Properties	
Antenna Material	FPCB
Connector Type	The first generation IPEX
Total length	360mm
Exposed length	360mm
Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+60℃





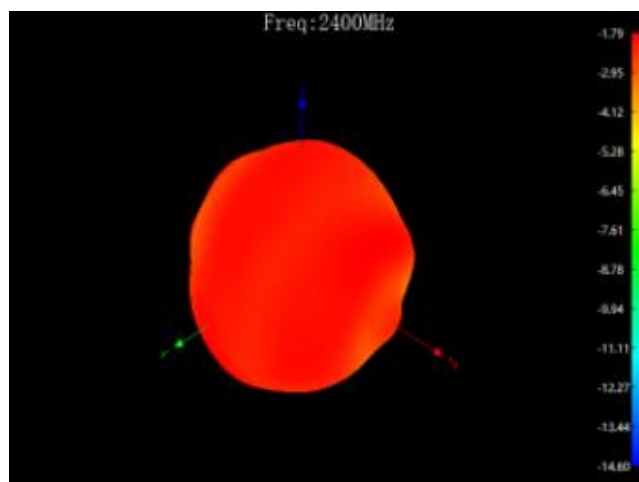
四、Test report:

4.1: Network Analyzer Test Report

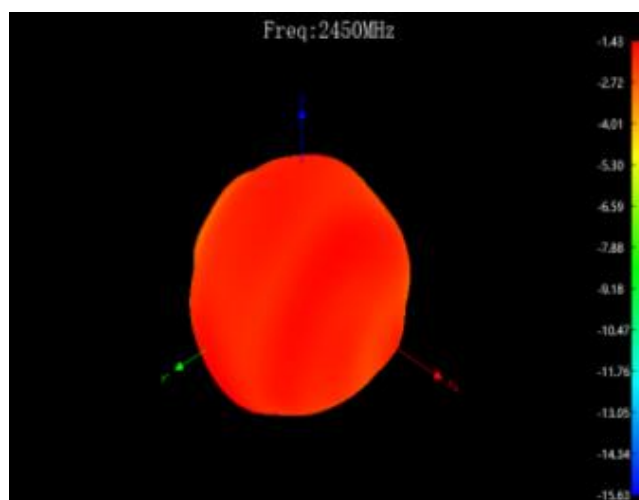




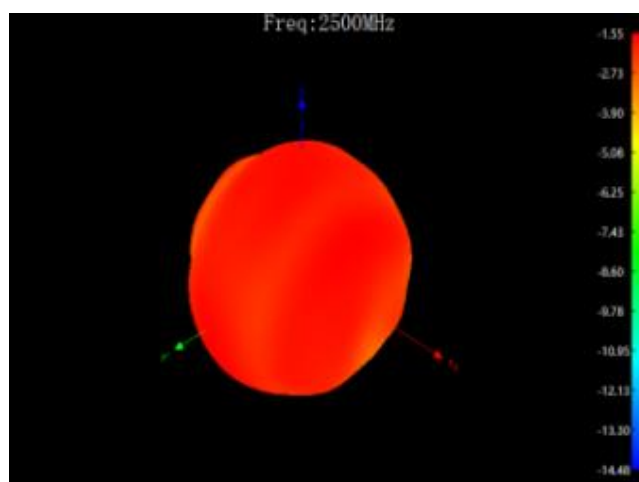
4.2: Darkroom 2D、3DRaditation Pattern



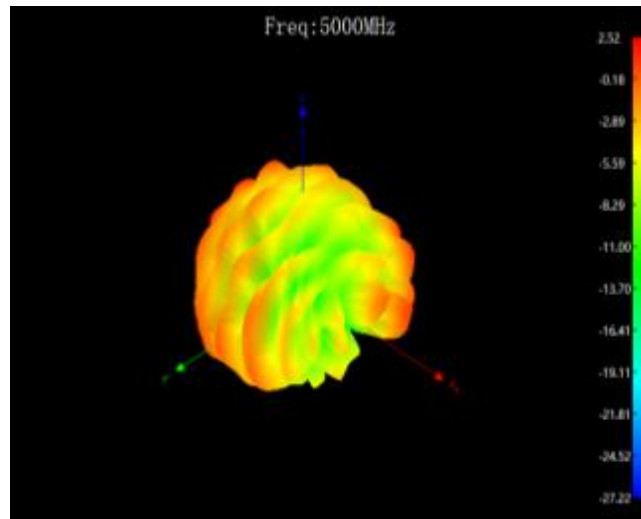
2400MHz



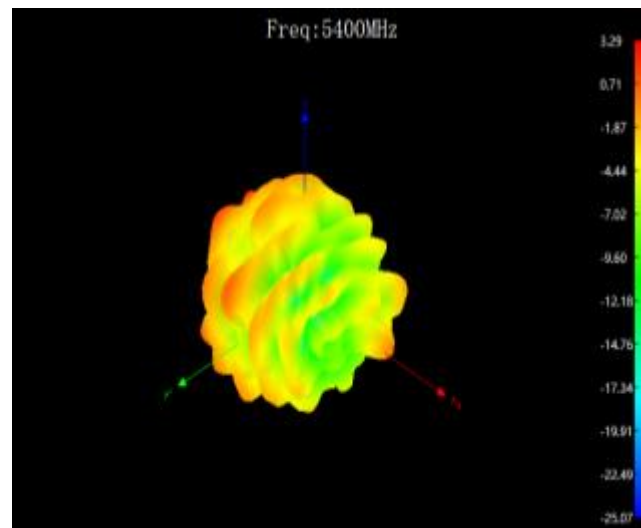
2450MHz



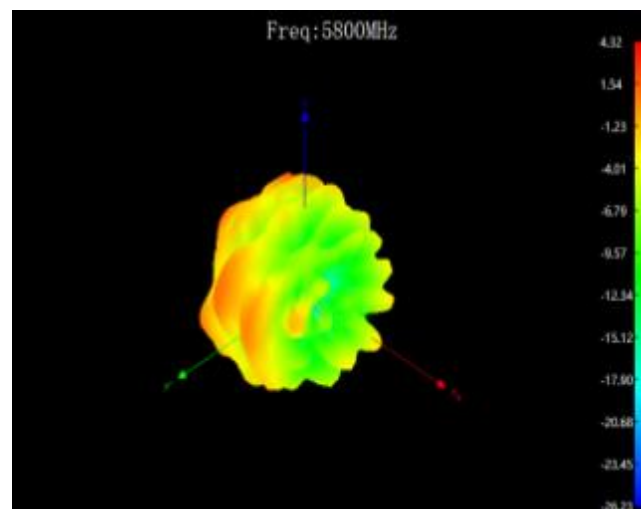
2500MHz



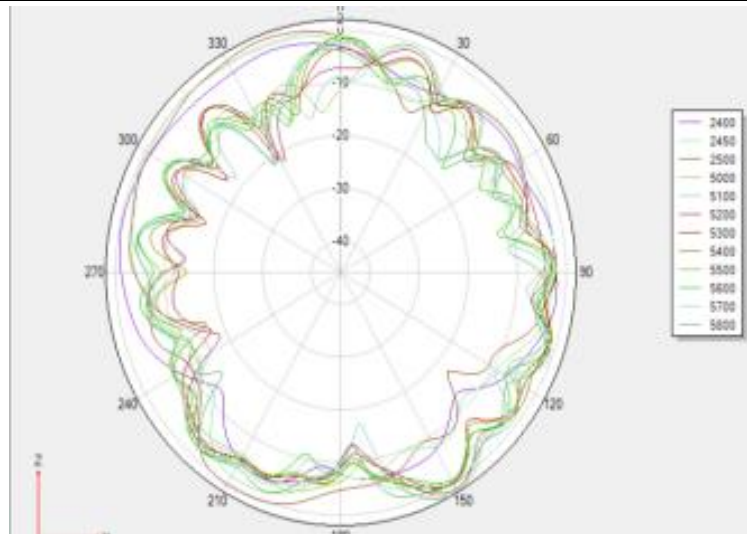
5000MHz



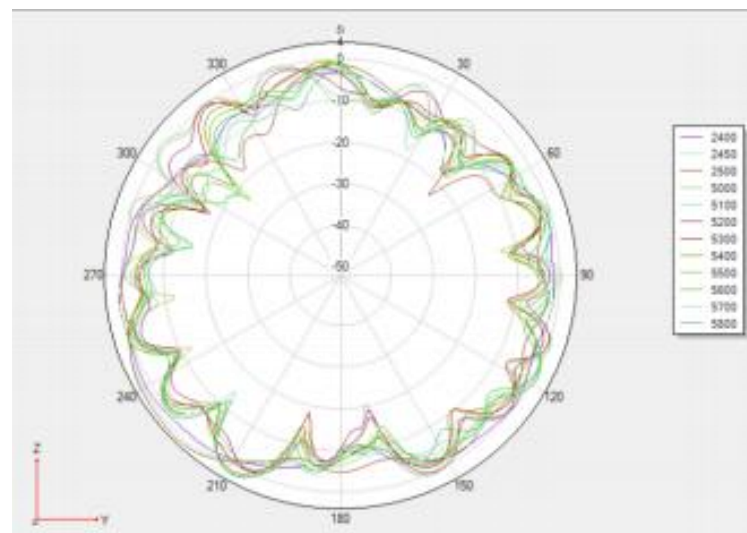
5400MHz



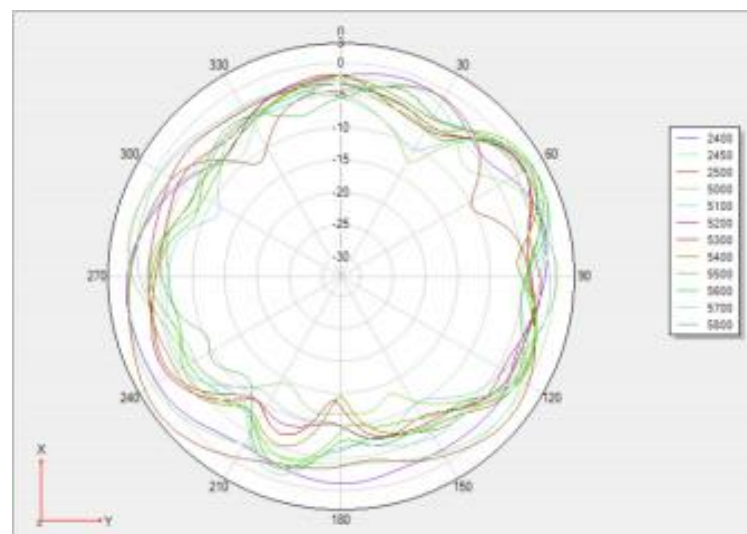
5800MHz



2400/5800MHZ-Phi 0



2400/5800MHz-Phi 90



2400/5800MHz-Theta 90



4.3: Gain and efficiency of antenna

Frequency	Efficiency	Efficiency / %	Frequency	MaxGain	AvgGain/dBi
2400	-3.33	46.45	2400	1.68	-3.33
2450	-2.98	50.35	2450	2.85	-2.98
2500	-2.64	54.45	2500	4.63	-2.64
5000	-3.86	41.11	5000	2.52	-3.86
5100	-3.84	41.3	5100	2.71	-3.84
5200	-4	39.81	5200	2.71	-4
5300	-4.13	38.64	5300	2.62	-4.13
5400	-3.65	43.15	5400	3.29	-3.65
5500	-3.46	45.08	5500	3.3	-3.46
5600	-3.63	43.35	5600	4.5	-3.63
5700	-3.58	43.85	5700	4.39	-3.58
5800	-3.49	44.77	5800	4.32	-3.49

五、Product image

