

Shenzhen Aochuan Zhilian Electronics Co., Ltd.

SPECIFICATION FOR APPROVAL

Customer Name: _____

Customer P/N: 30110-01408Jing Feng P/N: JF91042 (K30)Specification Description: 2.4G/5G WIFI Dual BandProduction Date: 2024-01-13

Factory Confirmation:

Department	CHECKED BY	APPROVED BY
RF Department	Tan Mu Chen	Wang Shuo
Structure Department	Zhao Peng tao	Wang Shuo
Quality Department	Liu Xiao Jun	Wang Shuo

Customer Confirmation:

INSPECTION	CHECKED	APPROVED
		

△ Record Of Document Formulation, Modification And Abolishment

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4、 Main technical specifications

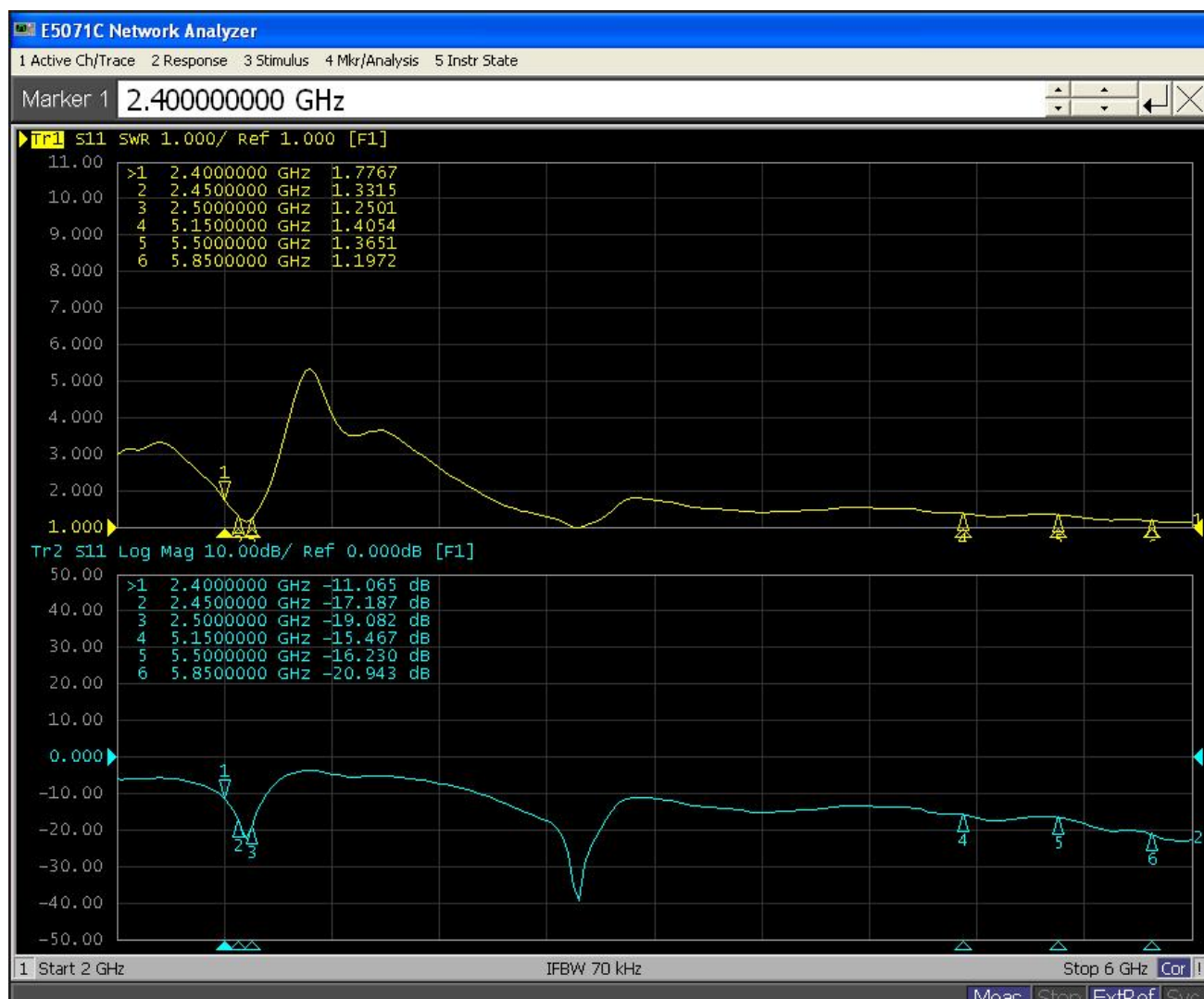
Electrical Parameters	
Frequency Range (MHZ)	2400-2500MHz&5150-5850MHz
Impedance (Ω)	50 Ω
VSWR	≤ 2.0
Peak Gain (dBi)	1 ± 0.5 dBi
Power Capacity	1W
On-off Test	Passage
Polarization	Linear, Vertical
Radiation	Omni-Directional
Joint Type	PCB
Mechanical Parameters	
Antenna Size	26*12.4*0.2mm
Exposure Length	150 ± 3 mm
Salt Spray Test	24H
Coaxial Line Type	1.13White
Environmental Parameters	
Operating Temp	$-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
Storage Temp	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

5、Product drawing



6、Electrical Performance Test report

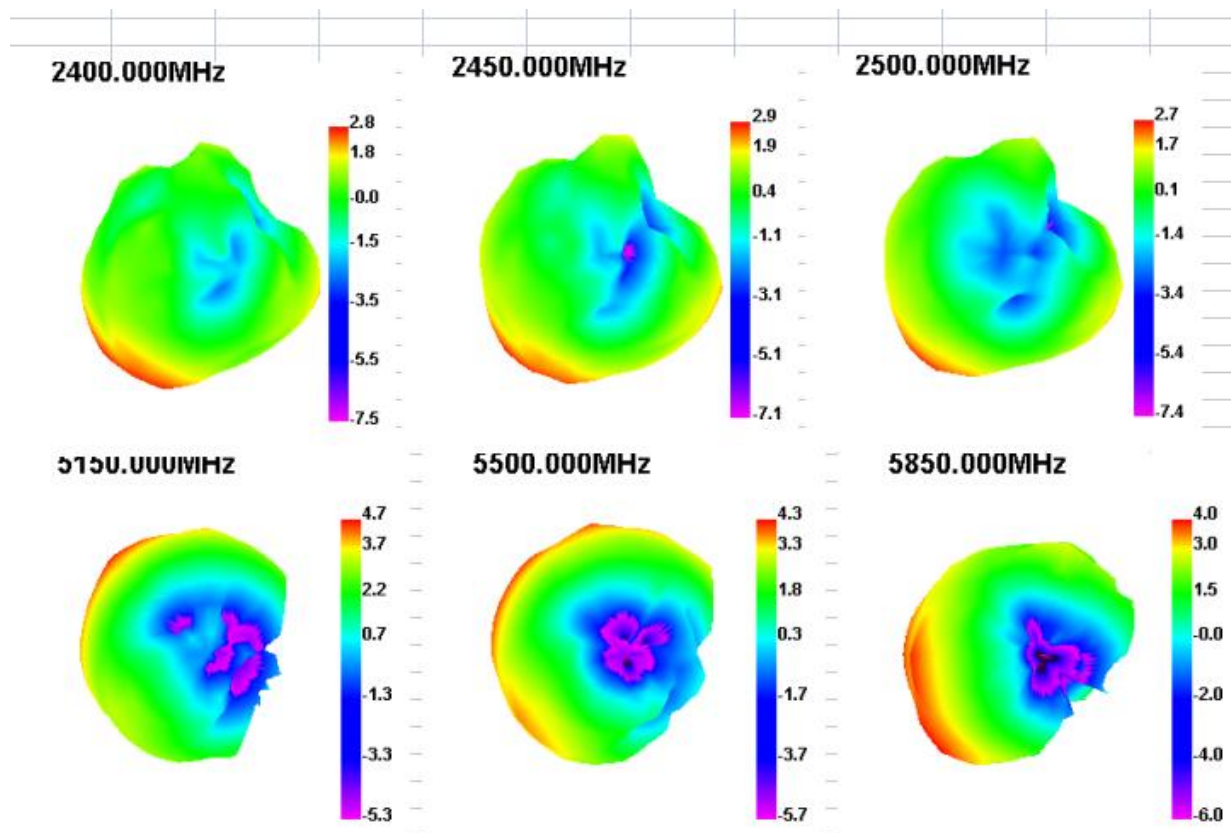
2. 4G&5.8G-VSWR/Return Loss



Efficiency & gain:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.74	2.82
2410	65.24	2.76
2420	64.48	2.73
2430	63.72	2.66
2440	65.71	2.75
2450	63.54	2.92
2460	60.89	2.99
2470	68.64	3.28
2480	64.25	2.56
2490	62.82	2.54
2500	64.16	2.71
Freq (MHz)	Effi (%)	Gain (dBi)
5150	67.01	4.7
5200	67.37	4.65
5250	61.87	4.08
5300	63.59	3.84
5350	76.4	4.48
5400	79.48	4.7
5450	73.76	4.53
5500	71.09	4.28
5550	71	4.39
5600	68.12	4.27
5650	72.43	4.55
5700	72.11	4.3
5750	73.78	4.37
5800	67.23	3.73
5850	69.12	3.97

3D Radiation pattern:



2D Radiation pattern:

