



Donguan Meijin Communications Technology Co.,Ltd

Antenna Recognition Letter

Customer Name	Shenzhen AZW Technology Co., Ltd.		
Project Name	EQI12	Band Info	WiFi 2.4/5G
Antenna Name	EQI12 V1.0	Customer P/N	14.02.03700000
		Supplier P/N	
		Customer P/N	14.02.03700001
		Supplier P/N	
Version No	R:V1.0	Date	2024-07-18

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一、 Whole machine diagram



Whole machine diagram

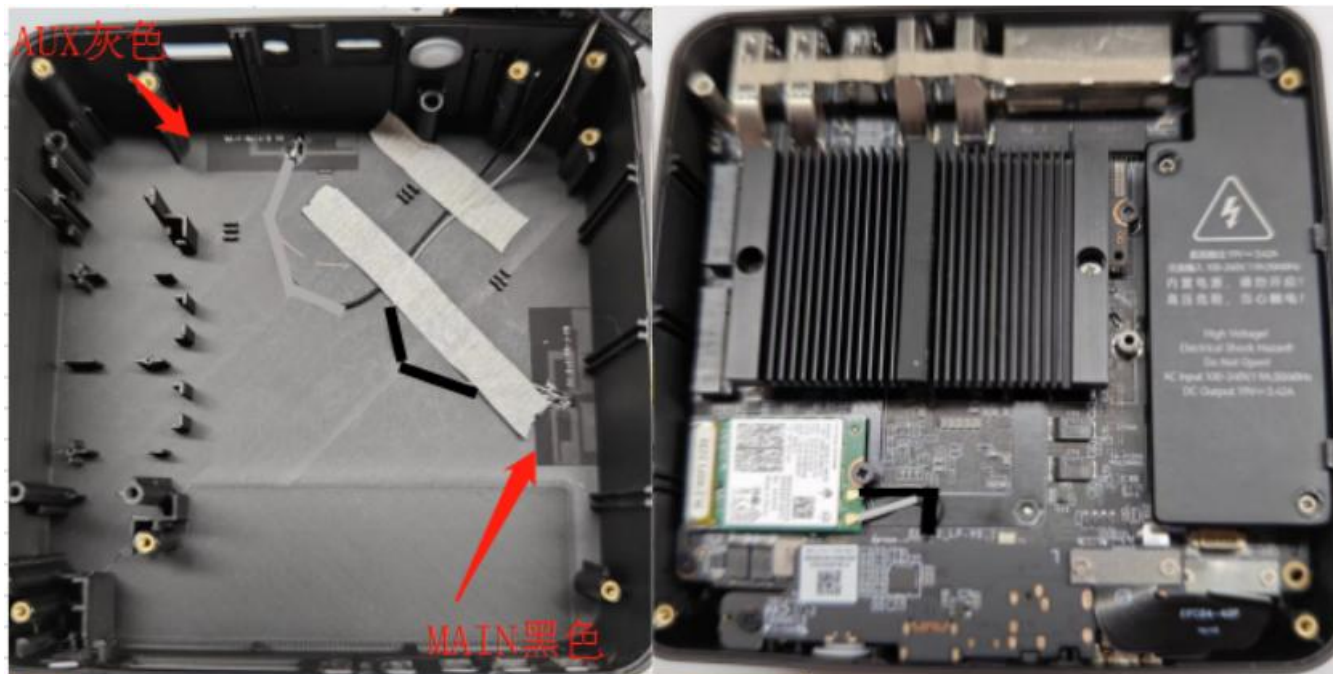
1.1 Antenna finished product diagram



Antenna picture

Antenna picture

1.2 EQI12 Antenna



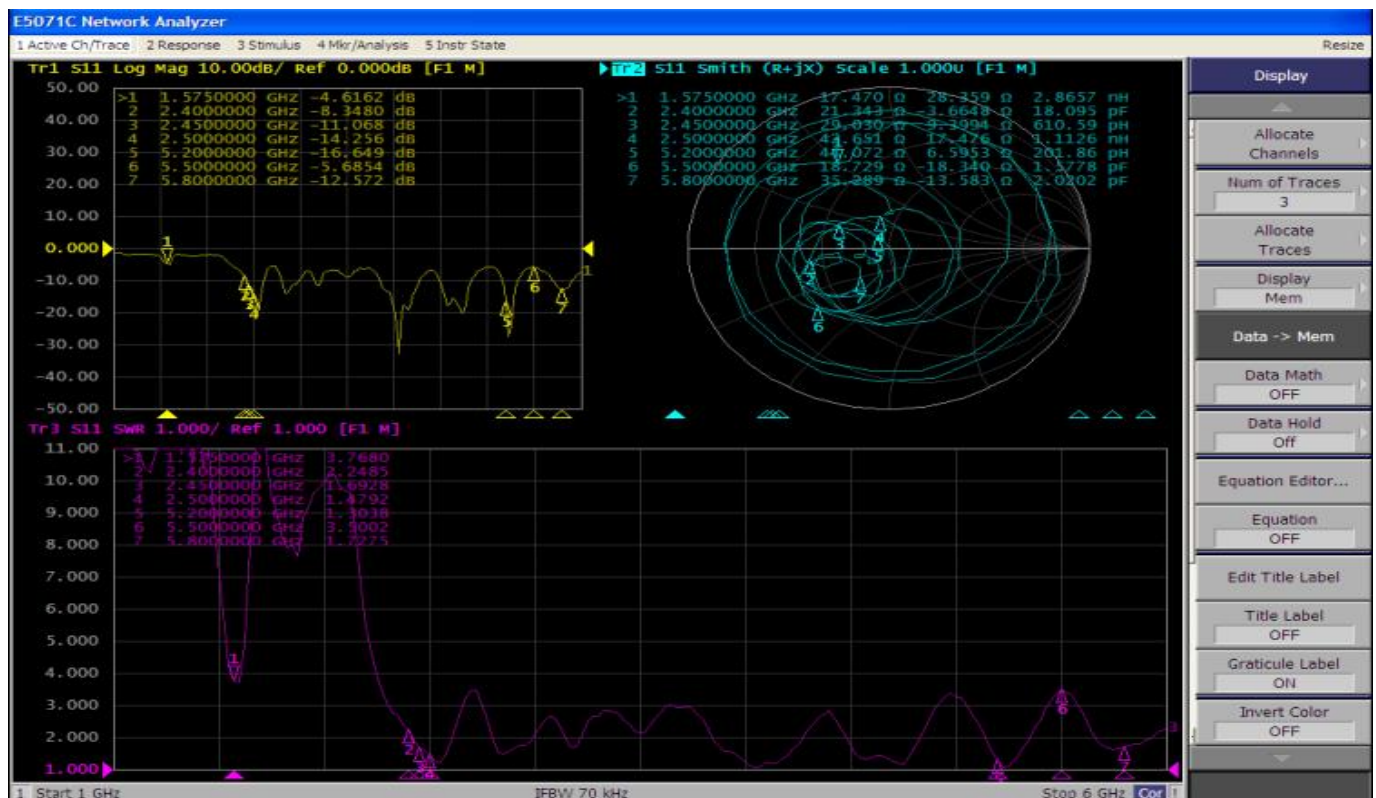
二、Active parameters

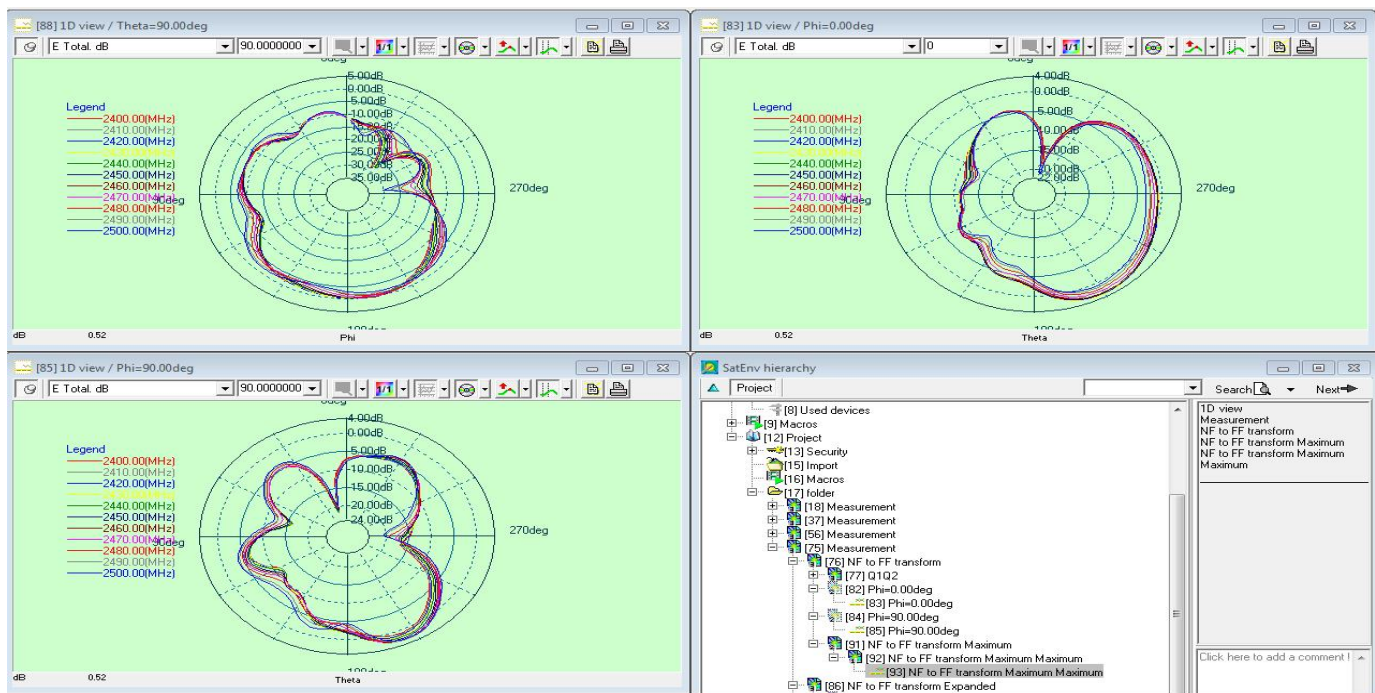
2.1 Active Data Report

有源OTA数据							
Band	Channel	自由空间		Band	Channel	自由空间	
		TRP	TIS			TRP	TIS
WIFI2.4G (B模)	1	10.98	11Mbps	WIFI5G (A模)	36	10.14	54Mbps
	6	11.38			149	10.44	
	11	11.68	-81.16		165	11.10	-69.19
	AVE	11.35			AVE	10.56	

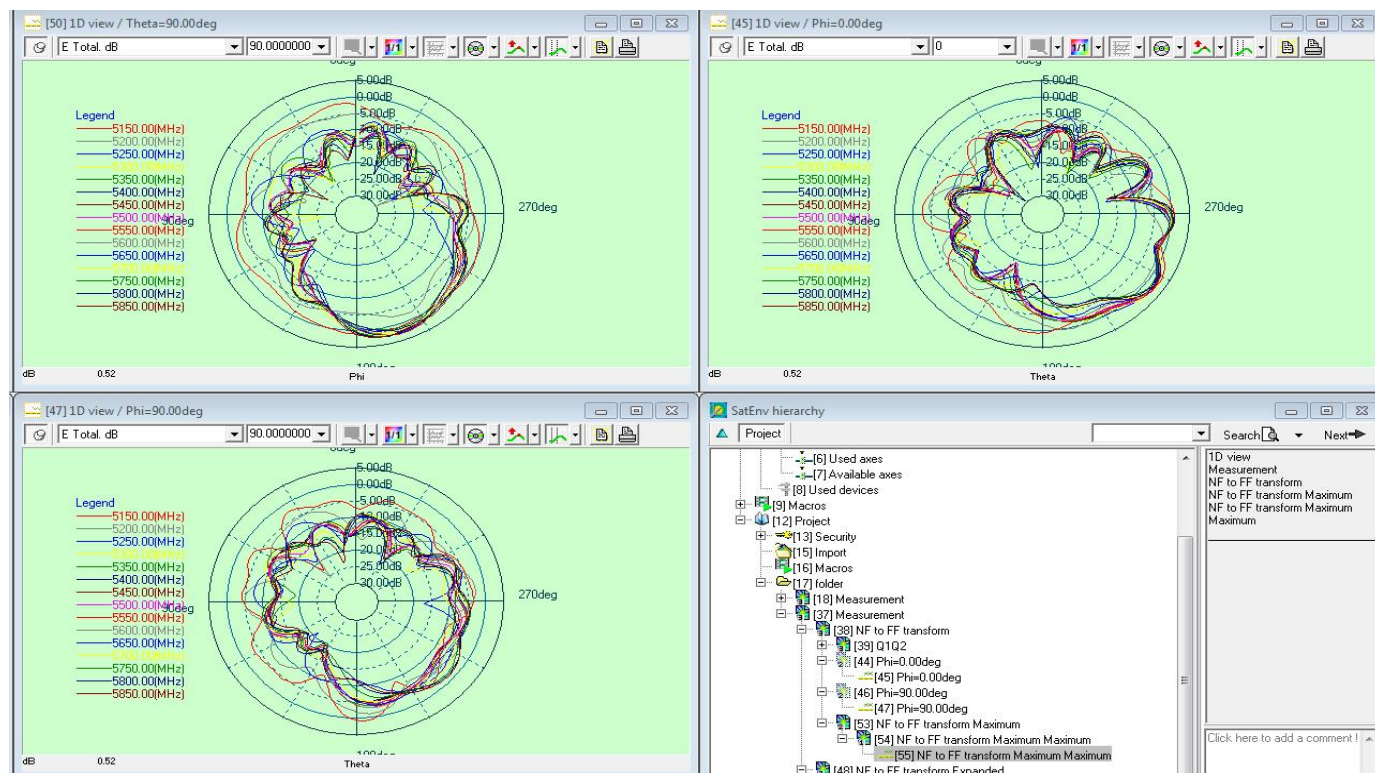
三、Passive parameters

3.1 Standing wave diagram Antenna





2400-2500MHz



5150~5850MHz

3.3 Passive darkroom testing efficiency and gain3.3.1

Antenna gain

ANT gain					
2400-2500MHZ Efficiency			5150-5850MHZ Efficiency		
2400MHz	33%	2.71	5150MHz	35%	3.42
2410MHz	33%	2.76	5200MHz	27%	2.69
2420MHz	35%	2.95	5250MHz	25%	2.24
2430MHz	35%	3.00	5300MHz	22%	0.91
2440MHz	35%	3.02	5350MHz	21%	0.62
2450MHz	37%	3.19	5400MHz	22%	0.17
2460MHz	37%	3.46	5450MHz	25%	0.76
2470MHz	36%	3.51	5500MHz	26%	1.23
2480MHz	36%	3.55	5550MHz	25%	1.17
2490MHz	36%	3.57	5600MHz	27%	1.47
2500MHz	35%	3.35	5650MHz	27%	2.26
			5700MHz	27%	2.05
			5750MHz	28%	2.54
			5800MHz	27%	2.66
			5850MHz	29%	2.19

EQ112 Antenna Drawing

