



# SPECIFICATION

## APPLICATION FOR APPROVAL

CUSTOMER : MeiG Smart Technology Co., Ltd  
CS P/N : MC942 ANT WIFI0  
PART NAME : 3MC9420701  
DEVE NO. : AUK02577B-Ant0  
PART NO :  
DATE : Oct. 28, 2024

Customer confirmation:			
RF Engineer	ME Engineer	Manager	PM
AUDEN COMMUNICATIONS & MULTIMEDIA TECHNO (KUNSHAN) CO.,LTD			
RF Engineer	ME Engineer	PM	Manager
Jie.Lv	Luyang.Yuan	Xianwen.Wang	Vinny.Wang

### Head Quarter

Auden Techno(KUNSHAN)CO.LTD  
NO.15 YING-BIN ROAD, LUYANGTOWN, KUNSHAN ,  
JIANGSU,CHINA

### Branch

Auden Techno(KUNSHAN)CO.LTD. Xi 'an branch  
E1-04, zhongxing industrial park, no.10 tangyan south road,high-tech  
zone, xi 'an

Auden Techno(KUNSHAN)CO.LTD. Shenzhen branch  
Address: 201-202, 2nd floor, building A, zone 5, honghualing  
industrial zone, taoyuan street, nanshan district, shenzhen (southern  
district)

### CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.



## INDEX

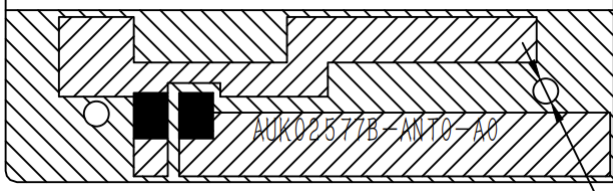
- 一、 Cover
- 二、 Index
- 三、 The Basic Parameters
- 四、 RF Performance Test Report
- 五、 Product Drawing

---

### CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.

## The Basic Parameters

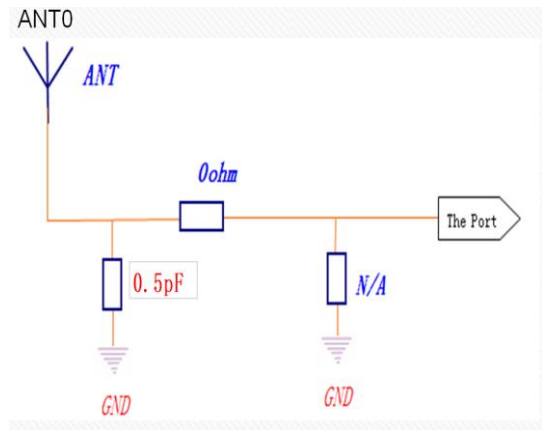
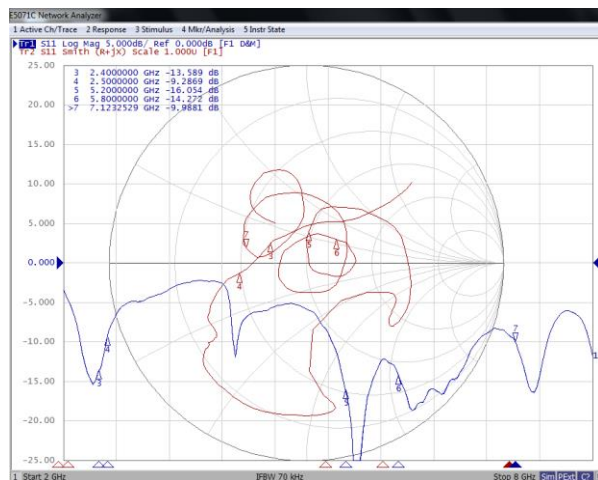
Item	Specifications
Frequency	2.4G 5G 6E
V. S. W. R	$\leq 1.5$
Gain	$\leq 2$
Polarization	Linear polarization
Impedance	50Ω
Material	FPC
Joint type	N/A
Operation temperature	-40°C to 85°C
Storage temperature	-40°C to 85°C
Humidity	Non-condensing 20°C 95% RH
illustration	

## CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.

## RF Performance Test Report

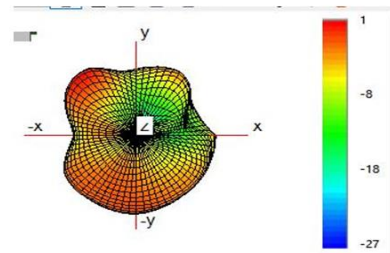
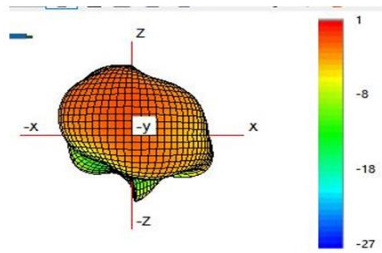
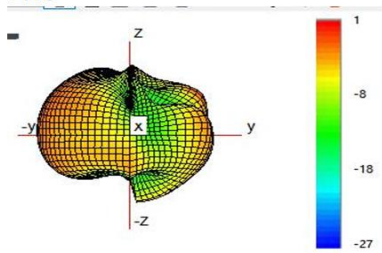
### Return Loss& impedance match



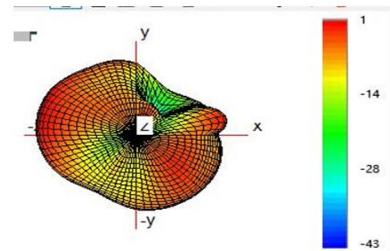
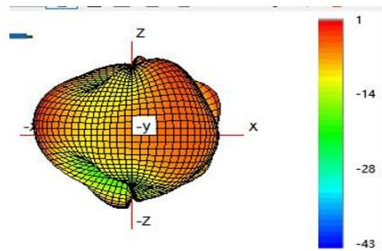
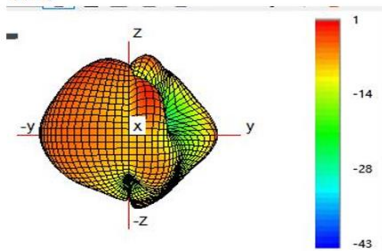
### Antenna 3D Radiation Pattern

ANT0

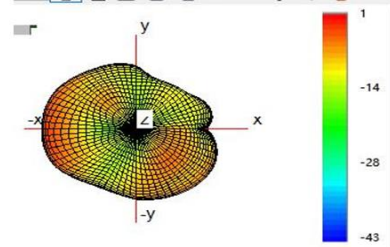
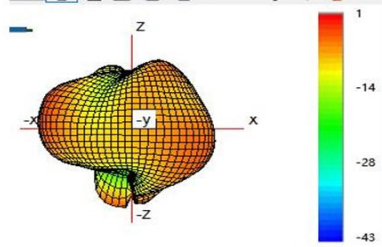
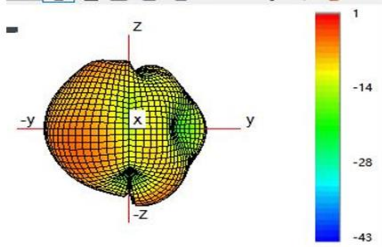
2.4G



5.1G



5.8G



## CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.



## Efficiency

测试频率	Efficiency-%	Gain(dBi)	测试频率	Efficiency-%	Gain(dBi)	测试频率	Efficiency-%	Gain(dBi)
2400	44.1	0.94	5150	45.39	0.57	5925	27.18	-0.62
2410	42.98	0.89	5200	45.56	0.58	5975	25.68	-1.17
2420	41.39	0.67	5250	47.02	0.98	6025	23.28	-1.74
2430	39.68	0.45	5300	46.21	1.08	6075	24.27	-1.15
2440	38.27	0.17	5350	48.46	1.47	6125	23.55	-1.05
2450	36.99	-0.19	5400	46.58	1.43	6175	25.69	-0.68
2460	35.11	-0.72	5450	45.94	1.73	6225	24.36	-0.61
2470	32.73	-1.1	5500	43.81	1.81	6275	25.85	-0.22
2480	31.14	-1.32	5550	43.16	1.84	6325	27.5	0.1
2490	29.79	-1.48	5600	42.58	1.88	6375	28.27	0.16
2500	28.32	-1.66	5650	38.4	1.17	6425	30.63	0.94
			5700	37.53	0.85	6475	29.54	0.63
			5750	32.78	0.21	6525	29.07	0.35
			5800	28.96	0.03	6575	29.99	0.89
			5850	27.01	-0.27	6625	28.45	0.39
						6675	26.6	0.3
						6725	25.56	-0.17
						6775	24.79	-0.04
						6825	23.2	-0.89
						6875	21.44	-1.4
						6925	21.12	-1.28
						6975	20.83	-1.22
						7025	20.82	-0.66
						7075	19.16	-1.45
						7125	19.48	-1.07

## OTA Report

### ANT0

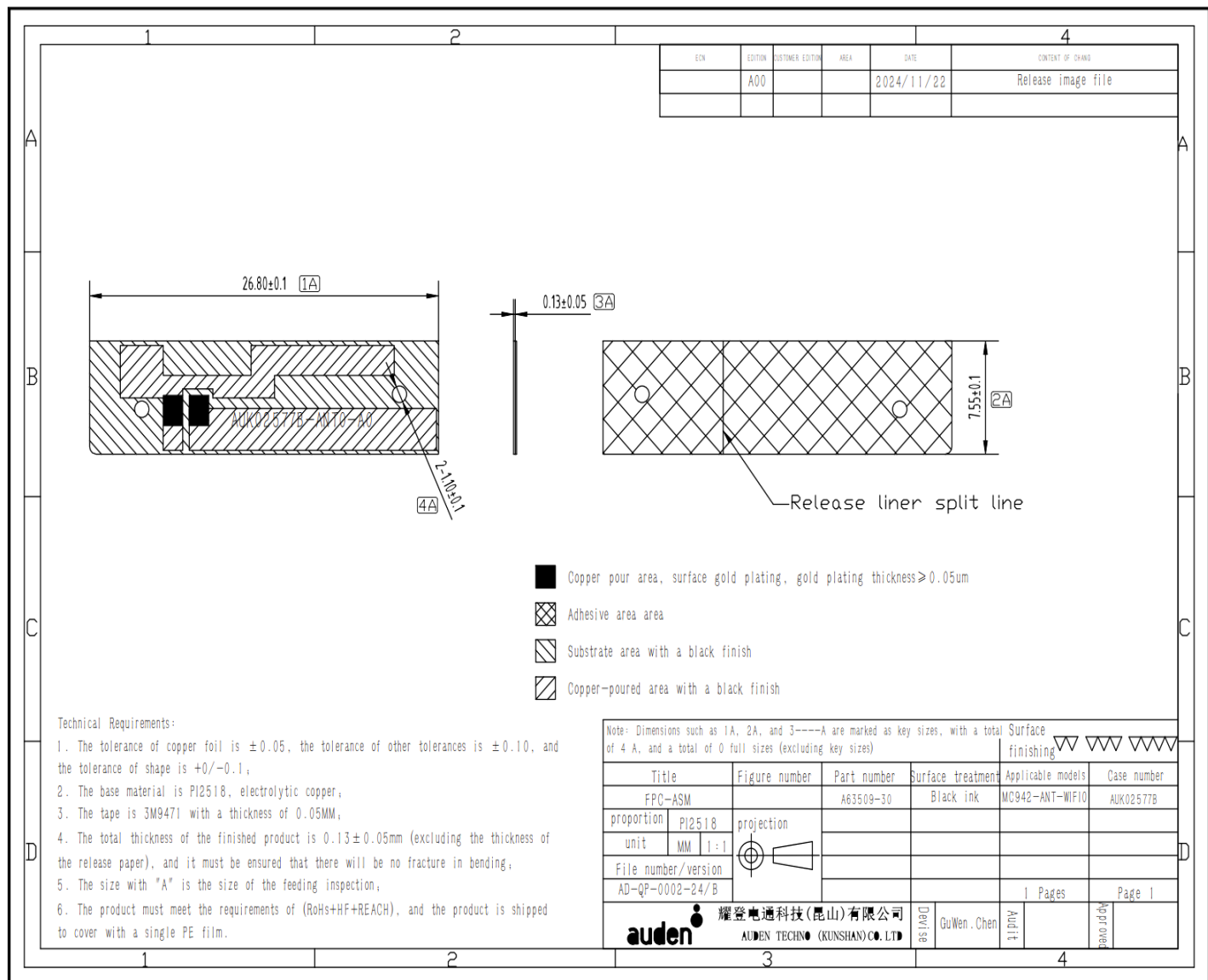
Band	Data Rate Mbps	Test Item	Channel	天线ant0-4	
				TRP (dBm)	AVG (dBm)
2.4G 11b	11M	TRP (3D)	1	12.92	11.9
			7	12.35	
			11	10.45	
2.4G 11g	6M	TRP (3D)	1	12.95	12.1
			7	12.6	
			11	10.84	
5G 11a	6M	TRP (3D)	36	8.92	9.3
			100	8.76	
			149	10.12	

Band	Data Rate Mbps	Test Item	Channel	天线ant0-4	
				TIS (dBm)	AVG (dBm)
2.4G 11b	11M	TIS (3D)	1	-84.64	-83.6
			7	-83.08	
			11	-83	
2.4G 11g	54M	TIS (3D)	1	-71.55	-70.5
			7	-70.17	
			11	-69.69	
5G 11a	54M	TIS (3D)	36	-69.24	-69.3
			100	-69.22	
			149	-69.48	

## CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.

## Product Drawing



## CONFIDENTIAL

This message contains information that may be confidential and privileged. Unless you are the addressee (or authorized to receive messages for the addressee), you can not use, copy or disclose to any third party or any information contained in the message. If you have received the message in error, please advise the sender by reply e-mail and delete the message. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you very much.