

# 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:			
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AUDEN COMMUNICATIONS & MULTIMEDIA TECHNO (KUNSHAN) CO.,LTD			
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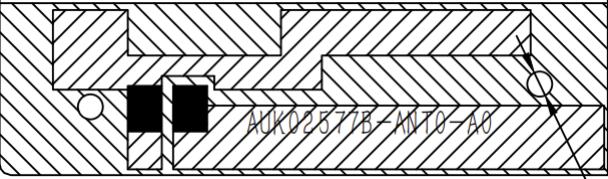
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**The Basic Parameters**

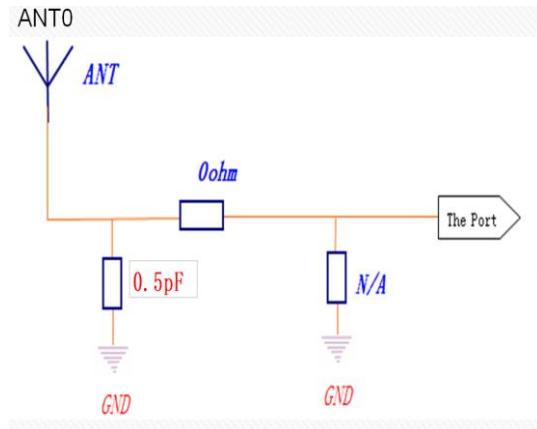
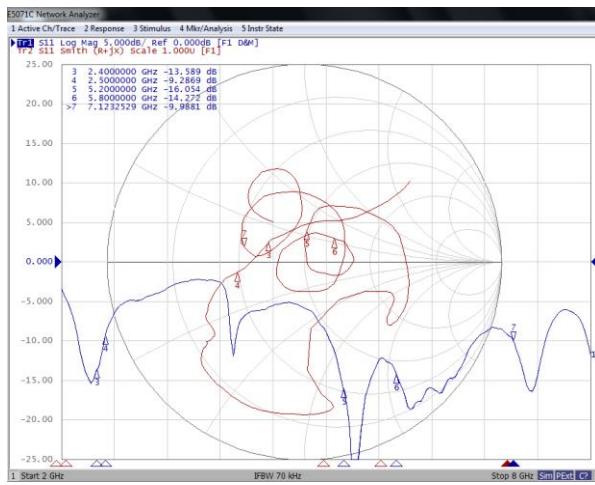
Item	Specifications
Frequency	2.4G 5G 6E
V. S. W. R	≤1.5
Gain	≤2
Polarization	Linear polarization
Impedance	50Ω
Material	FPC
Joint type	N/A
Operation temperature	-40°C to 85°C
Storage temperature	-40°C to 85°C
Humidity	Non-condensing 20°C 95% RH
illustration	

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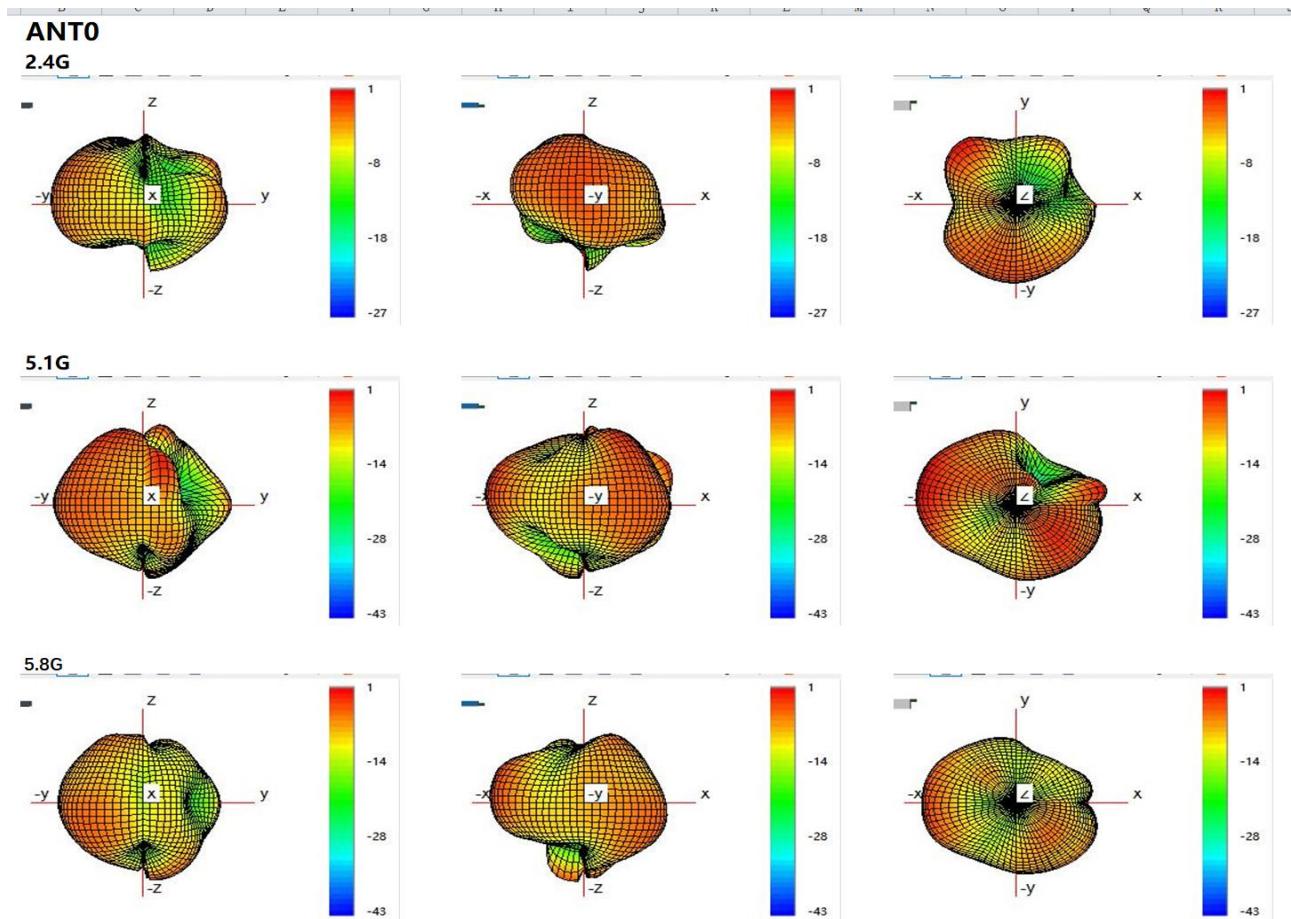
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## RF Performance Test Report

### Return Loss& impedance match



### Antenna 3D Radiation Pattern



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## 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

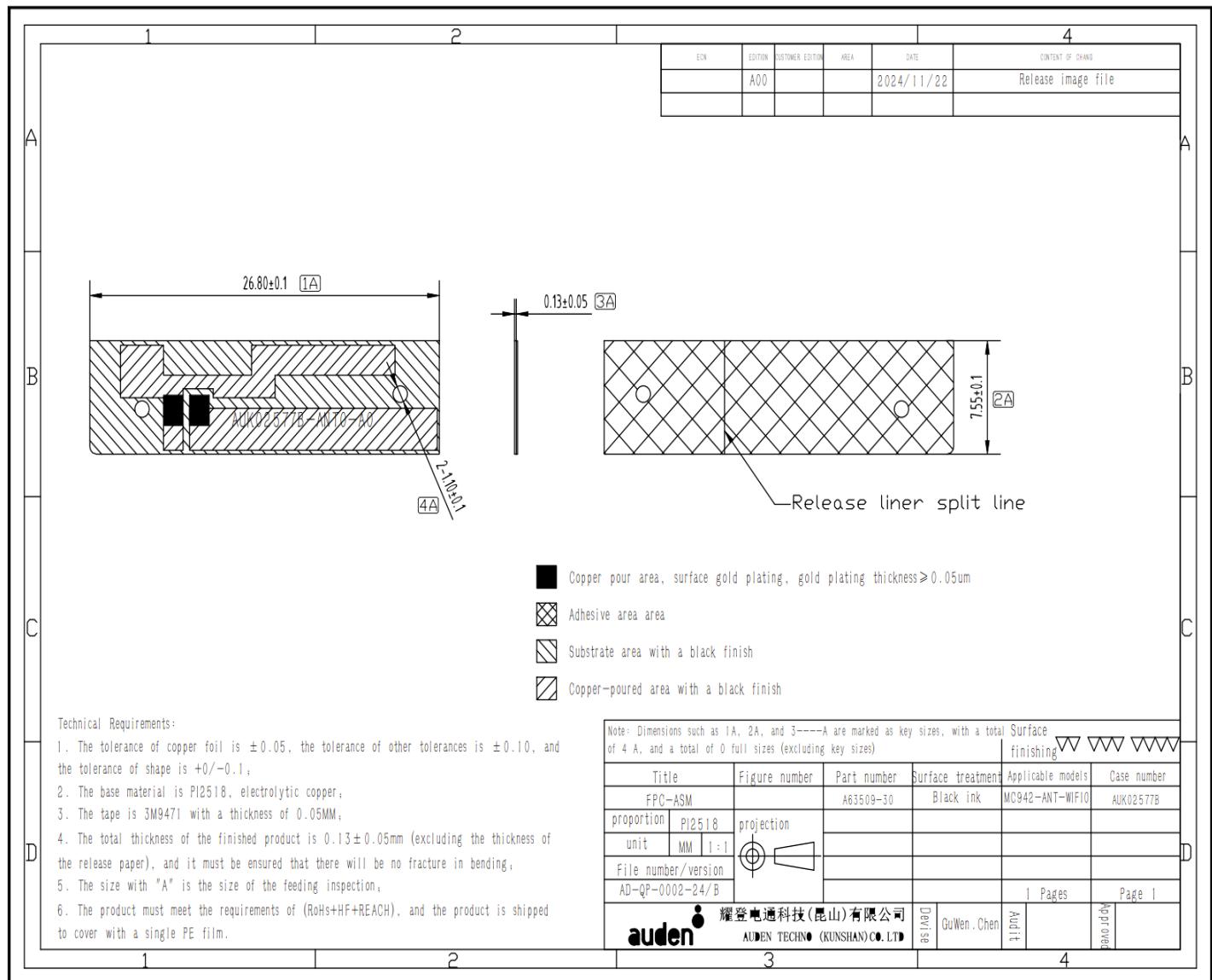
Band	Data Rate Mbps	Test Item	Channel	频点ant0-4	
				TRP (dBm)	AVG (dBm)
2.4G 11b	11M	TRP (3D)	1	12.92	11.9
			7	12.35	
			11	10.45	
2.4G 11g	6M	TRP (3D)	1	12.95	12.1
			7	12.6	
			11	10.84	
5G 11a	6M	TRP (3D)	36	8.92	9.3
			100	8.76	
			149	10.12	

Band	Data Rate Mbps	Test Item	Channel	频点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	

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## Product Drawing



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