



AUDEN COMMUNICATIONS&MULTIMEDIA
TECHNO (KUNSHAN) CO.LTD

Product Specification

Customer/Project	GD506 WIFI&BT	Frequency Band	11a/11b/11n/11ac		
Auden P/N	AUKE3483	Version	R:A		
Design	Jiahao zhu	Quality		Confirm by	
Mechanical design	Dong wang	PM			
Date	202209-05				
Customer Project /SCT P/N	Customer Project: GD506-WIFI&BT				
	Type specification:				
	SCT P/N: 140050100157				
Customer Confirmation					
Auden					
Research and Development project Customer Satisfaction Survey					
RF	☐ Satisfactory	☐ Basic satisfaction	☐ Not satisfied		
ME	☐ Satisfactory	☐ Basic satisfaction	☐ Not satisfied		
PM	☐ Satisfactory	☐ Basic satisfaction	☐ Not satisfied		
Recommendation note:					

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1、Product Specifications

Frequency Band: 11a/11b/11n/11ac.

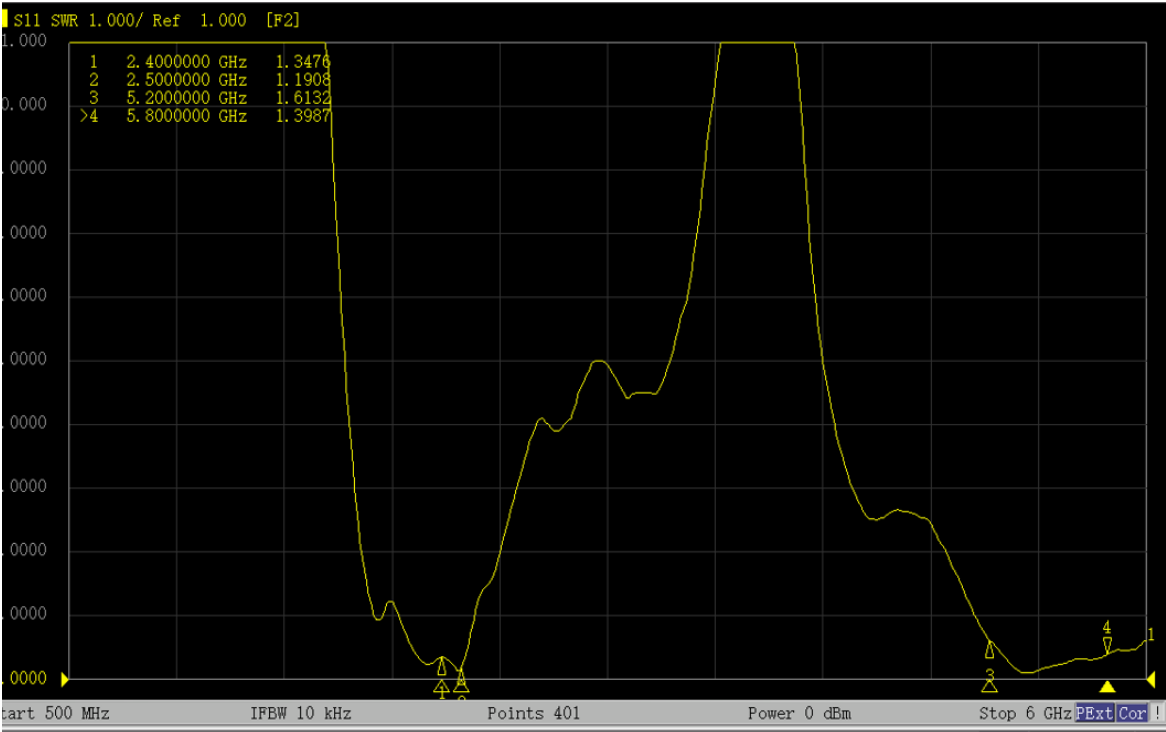
2、Electrical Performance

2.1 Test Results

Efficiency and Gain								
Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi		Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	-2.81	52.36	0.41		5400	-2.01	62.95	7.17
2410	-2.8	52.48	0.08		5420	-2.06	62.23	7.02
2420	-2.89	51.4	0.09		5440	-2.18	60.53	6.91
2430	-2.76	52.97	0.41		5460	-2.2	60.26	6.92
2440	-3.04	49.66	0.99		5480	-2.11	61.52	7.07
2450	-3.04	49.66	0.98		5500	-2.21	60.12	6.83
2460	-3.06	49.43	1.06		5520	-1.9	64.57	7.12
2470	-3.01	50	1.69		5540	-1.88	64.86	6.96
2480	-3.38	45.92	1.74		5560	-1.8	66.07	7.01
2490	-3.36	46.13	1.24		5580	-1.71	67.45	7.03
2500	-3.44	45.29	1.24		5600	-1.89	64.71	6.81
5200	-2.32	58.61	5.91		5620	-1.97	63.53	6.81
5220	-2.3	58.88	5.9		5640	-2.22	59.98	6.62
5240	-2.15	60.95	6.14		5660	-2.36	58.08	6.8
5260	-2.18	60.53	6.11		5680	-2.6	54.95	6.8
5280	-2.04	62.52	6.4		5700	-2.54	55.72	7.24
5300	-2	63.1	6.49		5720	-2.49	56.36	7.35
5320	-1.91	64.42	6.66		5740	-2.37	57.94	7.77
5340	-1.8	66.07	6.85		5760	-2.06	62.23	7.98
5360	-1.93	64.12	6.98		5780	-2.02	62.81	7.97
5380	-1.9	64.57	7.31	5800	-1.96	63.68	7.84	

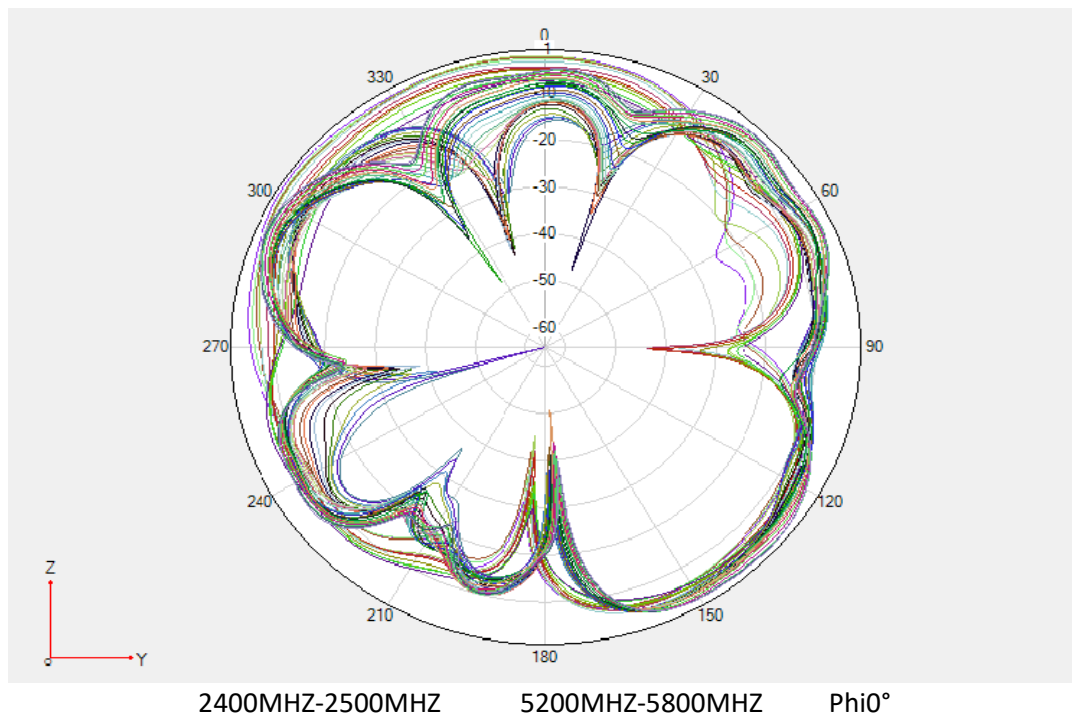
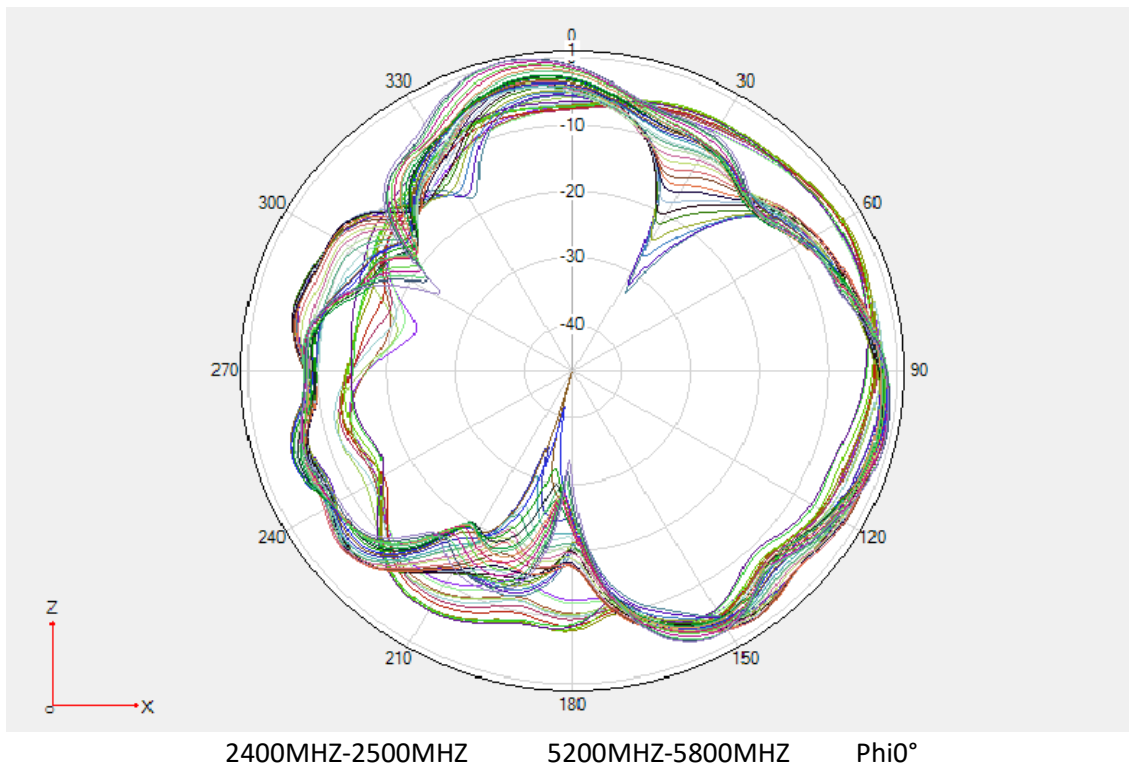
3、Annex

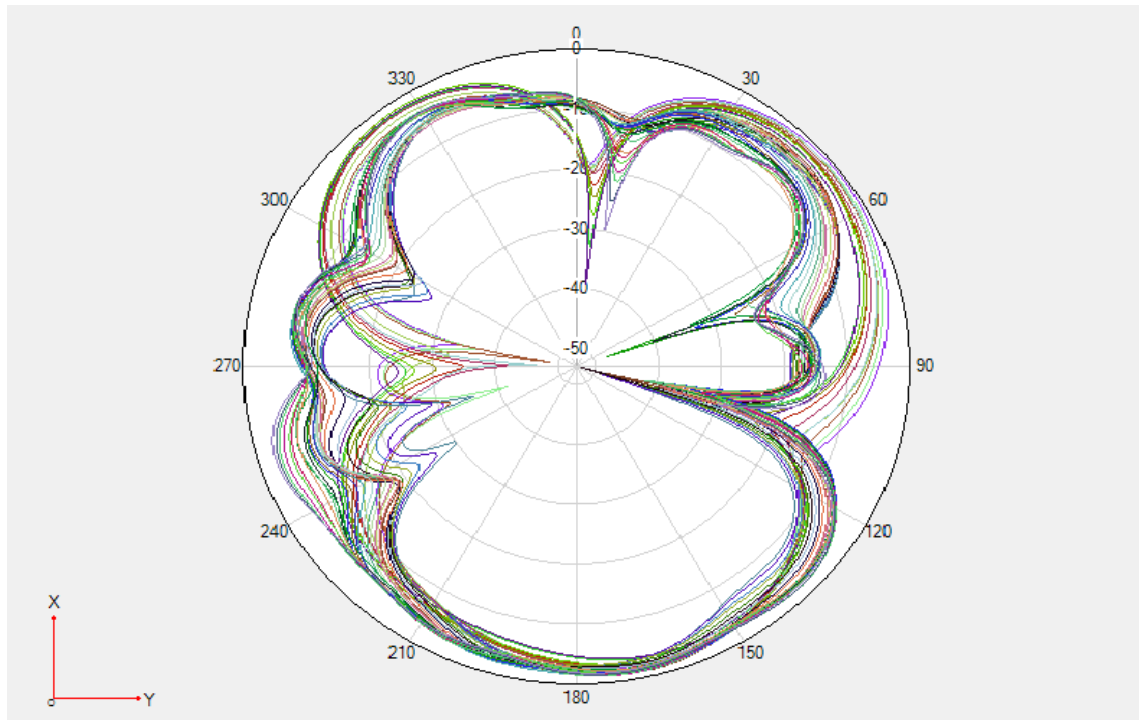
3.1 VSWR



GD506 WIFI&BT VSWR

3.2 Antenna Pattern





2400MHZ-2500MHZ

5200MHZ-5800MHZ

Theta90°

4、 Antenna structure diagram

序号	名称	材料	用量	备注
2	电池背板	TESA4982	1	镀锌平垫
1	V2.2	中塑7015黑色	1	化装铜模

技术要求:

- 未注尺寸见3D, 未注公差按公差列表;
- 外观按中兴网卡检验标准;
- 带“A”尺寸为出厂检验尺寸。