



AUDEN COMMUNICATIONS&MULTIMEDIA
TECHNO (KUNSHAN) CO.LTD

Product Specification

Customer/Project	GD506 Main	Frequency Band	WCDMA Band: 2/4/5 LTE Band: 2/4/5/12/13/25/26/66		
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-Main				
	Type specification:				
	SCT P/N: 140050100157				
Customer Confirmation					
Auden					
Research and Development project Customer Satisfaction Survey					
RF	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Basic satisfaction	<input type="checkbox"/> Not satisfied		
ME	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Basic satisfaction	<input type="checkbox"/> Not satisfied		
PM	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Basic satisfaction	<input type="checkbox"/> Not satisfied		
Recommendation note:					

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1、Product Specifications

Frequency Band:WCDMA Band: 2/4/5

LTE Band: 2/4/5/12/13/25/26/66。

2、Electrical Performance

2.1 Gain Test

2.1.1 Test Results

Efficiency and Gain							
Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi	Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
700	-5.04	31.33	-2.95	1950	-3.54	44.26	0.6
710	-4.35	36.73	-2.33	1970	-3.76	42.07	-0.18
720	-4.56	34.99	-2.96	1990	-3.94	40.36	-1.3
730	-4.01	39.72	-2.39	2010	-3.63	43.35	-0.23
740	-3.88	40.93	-2.62	2030	-3.69	42.76	-0.45
750	-3.65	43.15	-2.16	2050	-3.19	47.97	-0.27
760	-4.04	39.45	-2.76	2070	-3.31	46.67	-0.55
770	-3.74	42.27	-2.51	2090	-2.98	50.35	-0.12
780	-3.58	43.85	-2.23	2110	-3.18	48.08	-0.43
790	-3.21	47.75	-2.01	2130	-3.2	47.86	-0.23
800	-3.7	42.66	-3.25	2150	-3.31	46.67	-0.13
810	-3.35	46.24	-3.01	2170	-3.42	45.5	0.24
820	-3.39	45.81	-2.61	2190	-3.36	46.13	0.73
830	-3.53	44.36	-2.28	2210	-3.51	44.57	0.61
840	-3.94	40.36	-3.57	2230	-3.52	44.46	0.19
850	-3.97	40.09	-3.49	2250	-3.68	42.85	-0.34
860	-4.35	36.73	-3.33	2270	-3.79	41.78	-0.34
870	-5.11	30.83	-3.88	2290	-3.64	43.25	0.09
880	-6.67	21.53	-6.37	2310	-3.52	44.46	0.48
890	-8.54	14	-8.32	2330	-3.28	46.99	1.12
900	-10.72	8.47	-10.56	2350	-3.66	43.05	0.8
910	-11.32	7.38	-10.44	2370	-3.95	40.27	0.67
920	-10.63	8.65	-9.35	2390	-4.62	34.51	0.13
930	-9.64	10.86	-8.01	2410	-5.37	29.04	-1.49
940	-9.36	11.59	-7.11	2430	-4.17	38.28	-0.25
950	-9.53	11.14	-6.64	2450	-4.83	32.89	-0.77
960	-10.55	8.81	-7.35	2470	-4.82	32.96	0.94
1710	-2.47	56.62	1.24	2490	-4.99	31.7	0.93
1730	-2.34	58.34	1.1	2510	-4.48	35.65	1.34
1750	-2.55	55.59	0.65	2530	-4.28	37.33	1.07
1770	-2.29	59.02	0.85	2550	-3.97	40.09	1.38
1790	-2.53	55.85	0.55	2570	-3.74	42.27	1.1
1810	-2.26	59.43	1.36	2590	-3.59	43.75	0.95
1830	-2.48	56.49	1.32	2610	-3.27	47.1	0.92
1850	-2.4	57.54	2.06	2630	-3.16	48.31	0.48
1870	-2.61	54.83	1.83	2650	-3.11	48.87	0.55
1890	-2.83	52.12	1.98	2670	-3.02	49.89	0.86
1910	-3.02	49.89	1.53	2690	-3.2	47.86	0.54
1930	-3.27	47.1	1.03				

2.1.2 OTA

B2	18650	19.65	650	-94.75
	18900	20.34	900	-95.14
	19150	19.77	1150	-96.21
B4	20000	20.33	2000	-96.51
	20175	20.05	2175	-97.52
	20350	19.27	2350	-96.58
B5	20450	20.5	2450	-96.83
	20525	20.37	2525	-96.59
	20600	18.46	2600	-96.51
B12	23060	18.25	5060	-97.04
	23095	20.46	5095	-97.42
	23130	17.29	5130	-96.36
B13				
	23230	21.36	5230	-93.58
B25	26090	20	8090	-94.63
	26365	20.79	8365	-94.89
	26640	19.86	8640	-95.99
B26	26740	19.73	8740	-96.42
	26865	20.39	8865	-96.84
	26990	16.97	8990	-96.52
B66	132022	20.34	66486	-96.75
	132322	20.57	66786	-96.92
	132622	19.74	67086	-97.26

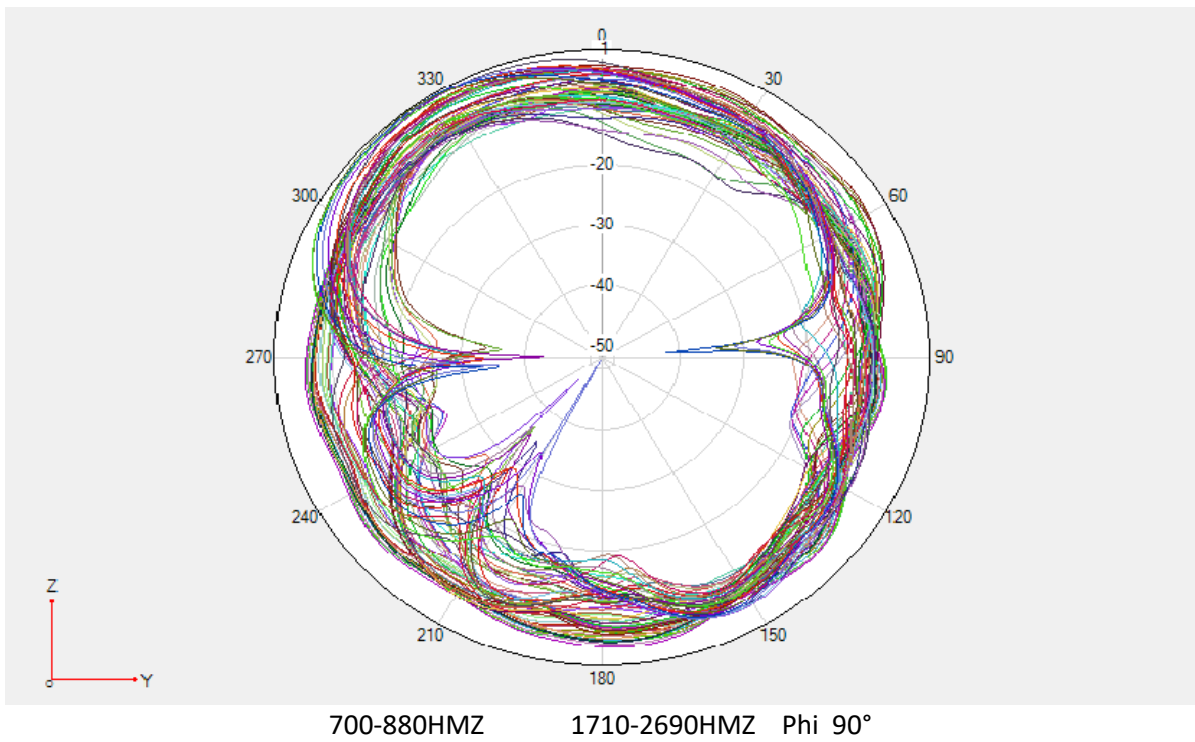
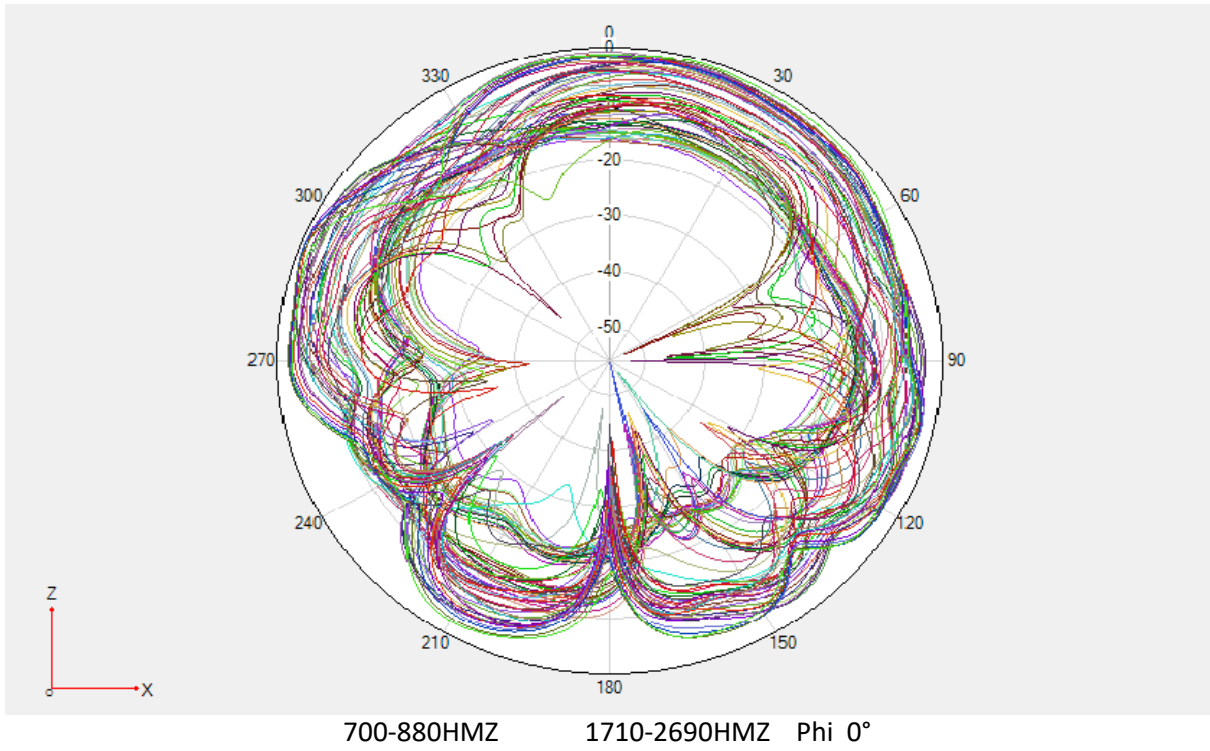
3、Annex

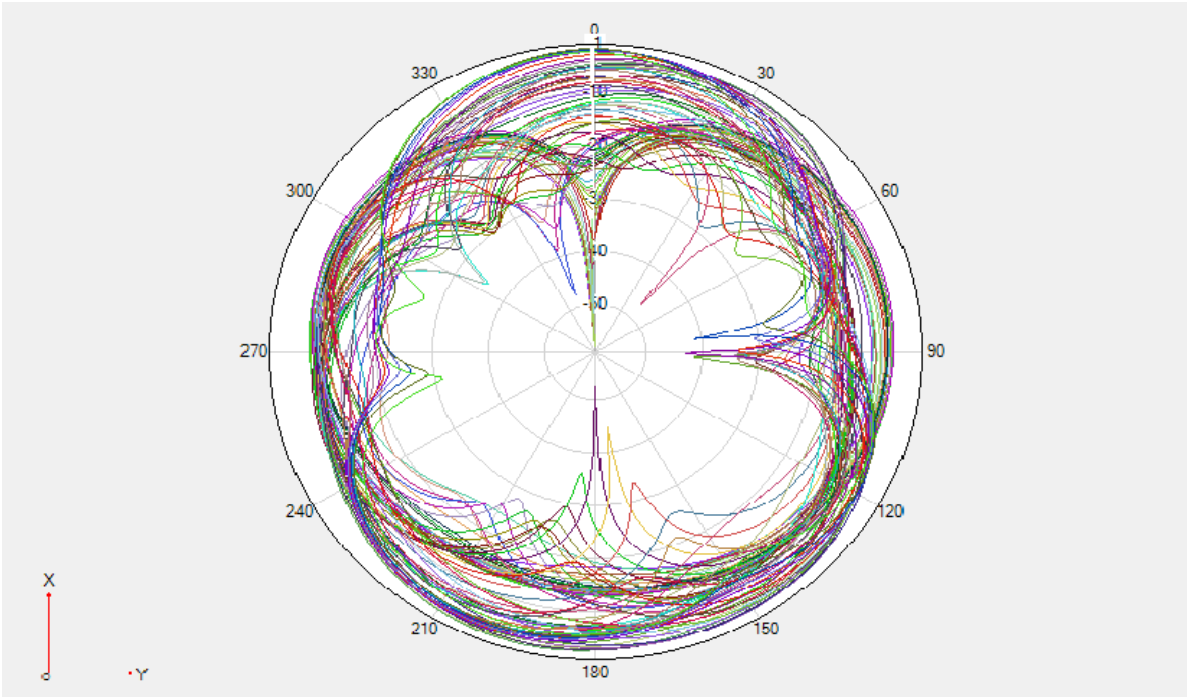
3.1 VSWR



GD506 MAIN VSWR

3.2 Antenna Pattern




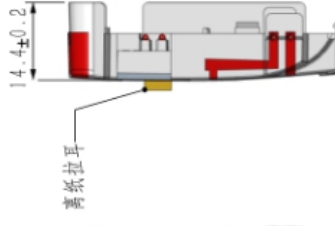


700-880HMZ 1710-2690HMZ Theta90°

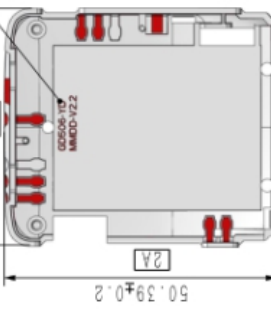
4、Antenna structure diagram


2	客户料号 1400501100157	产品名称 GD506中频天线	规格型号 ZX989-03JA-20 V2.0	3	客户版本 SF00	日期 Mar-28-22	4	变更事项 新图发行
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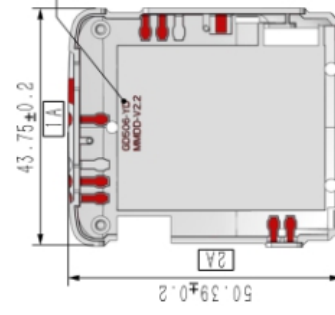


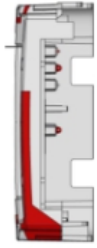


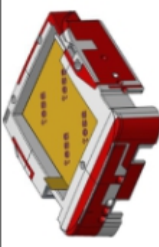
离纸拉耳











比例 2:3

环境测试要求:

- 温度: 0°C ~ 100°F
- 湿度: 10% ~ 100%
- 盐雾: 1H ~ 1000H
- 六价铬: 0.1PPM ~ 100PPM
- 多氯联苯: 10PPM ~ 100PPM
- 多溴联苯: 10PPM ~ 100PPM
- 多氯二噁英: 1PPM ~ 100PPM
- 多氯二噁英: 1PPM ~ 100PPM
- 多氯二噁英: 1PPM ~ 100PPM
- 多氯二噁英: 1PPM ~ 100PPM
- 多氯二噁英: 1PPM ~ 100PPM

用户手册符合规格书外理
故给物料员写参数时注意

RF: (无要求)

BR300, CR300, PR0 ~ 1500

DIMENSION TOLERANCE

尺寸下:±0.05

尺寸上:±0.1

尺寸上:±0.15

尺寸上:±0.2

尺寸上:±0.3

尺寸上:±0.5

技术要求:

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

图名	表面加工	表面处理	开发案号
图号	料号	表面处理	AUKE3483
总装			
材料			
单位	比例 1:1		
文件编号/版本			
AD-QP-0002-2.4/B			

2	电池背胶	TESA4982	1	膜切平整	27.50 x 32.00 x 6.10	/
1	V2.2	中频7015黑色	1	化镀铜镍	44.15 x 50.77 x 14.86	/
序号	名称	材料	用量	备注	外形尺寸	零件料号

注:标注1A,2A,3A-----等尺寸为重要尺寸,总计3A,全尺寸共0个(不含重要尺寸)

表面加工	表面处理	开发案号
透层阻焊		AUKE3483
共 3 页	第 1 页	确 认

耀登电通科技(昆山)有限公司
AUDEN TECHNO (KUNSHAN) CO. LTD

auden

作 成 王汉林