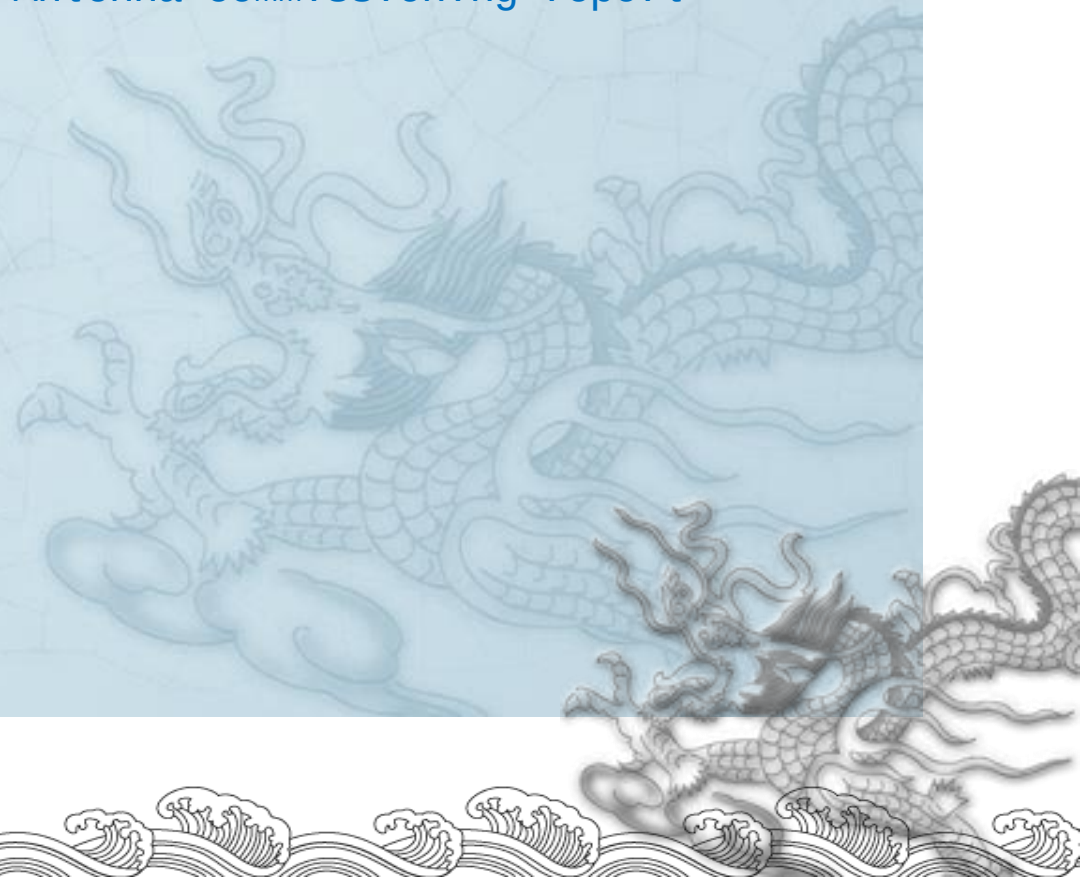




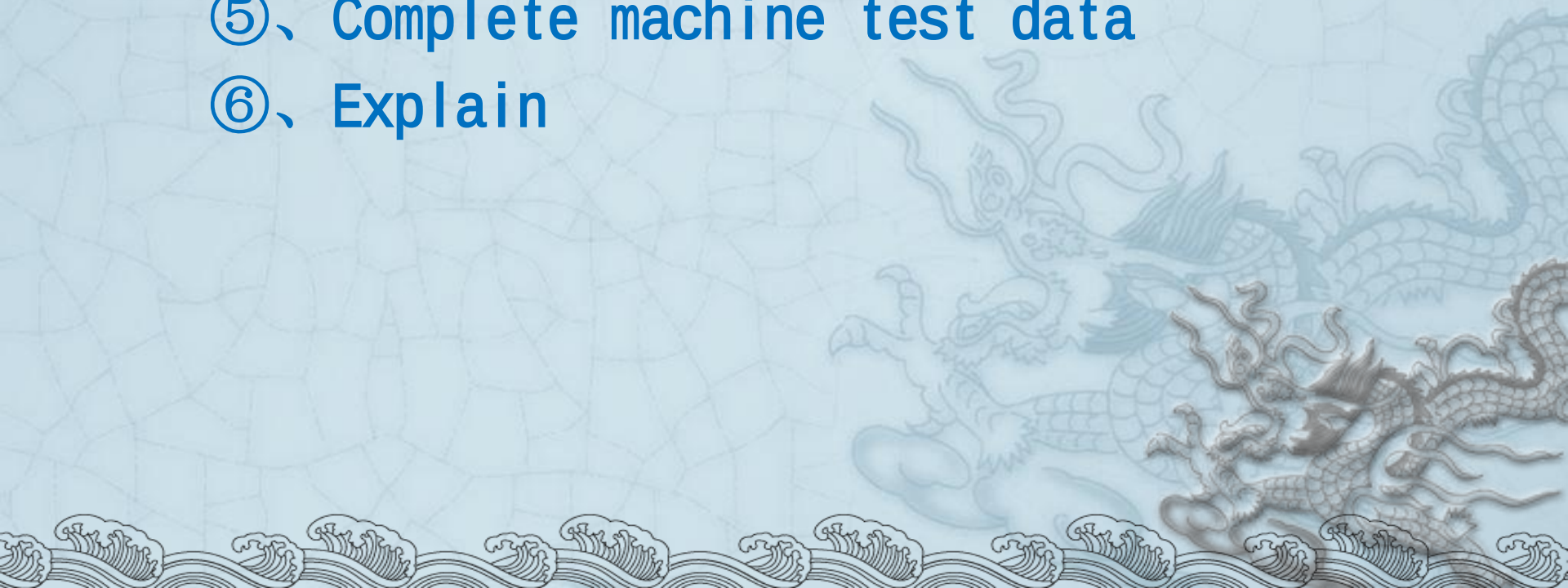
Shenzhen Tianda Communication Co., Ltd

LVD01 Antenna commissioning report



catalogue

- ①、Test equipment
- ②、Project Description
- ③、Debug version record
- ④、Matching circuit
- ⑤、Complete machine test data
- ⑥、Explain

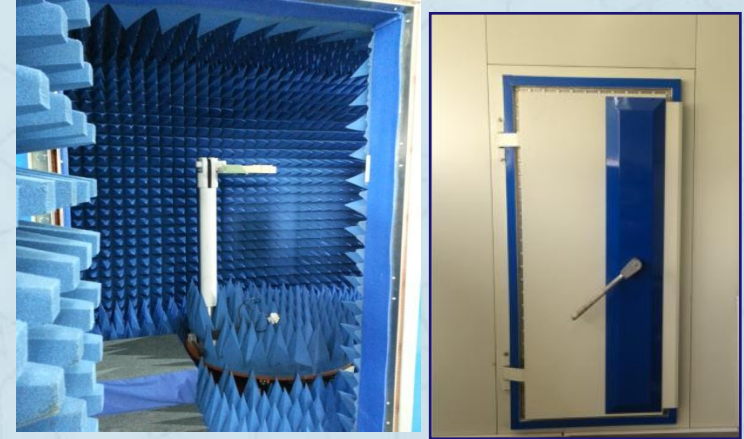


Test equipment

SATIMO—24



广屏—ETS



Amway MT8820C



Agilent 8960



Agilent E5071C

测试系统	测试环境	有源测试	无源测试
Wide screenETS	Temperature : 22°C±3°C Humidity: 50%±15%	Support t2G/3G/4G	600MHZ——6G

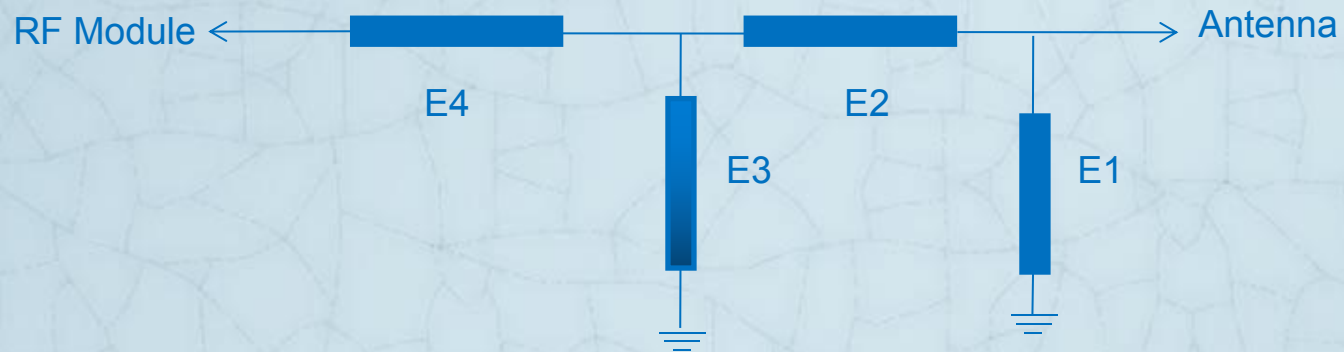
Project overview

Customer Name		Entry name		M o d e l	Antenna implementation mode	Model size
Lindo		BAA01		Doorbell	FPC	/
频 段						
Main antenna	2G	/		Sub antenna	GPS	/
	3G	/			WIFI/BT	2400--2500MHz
	4G	FDD: /			433MHz	
		TDD: /			NFC	/
壳料材质		Plastic cement				

Test version record

版本	日期	内容概述
V1	2021.07.23	Passive test data of WIFI antenna
V2		
V3		
V5		
V6		
V7		
V5		
V9		
V10		

Matching circuit



Element	Value
E1(0402)	NC
E2(0402)	0Ω
E3(0402)	NC
E4(0402)	

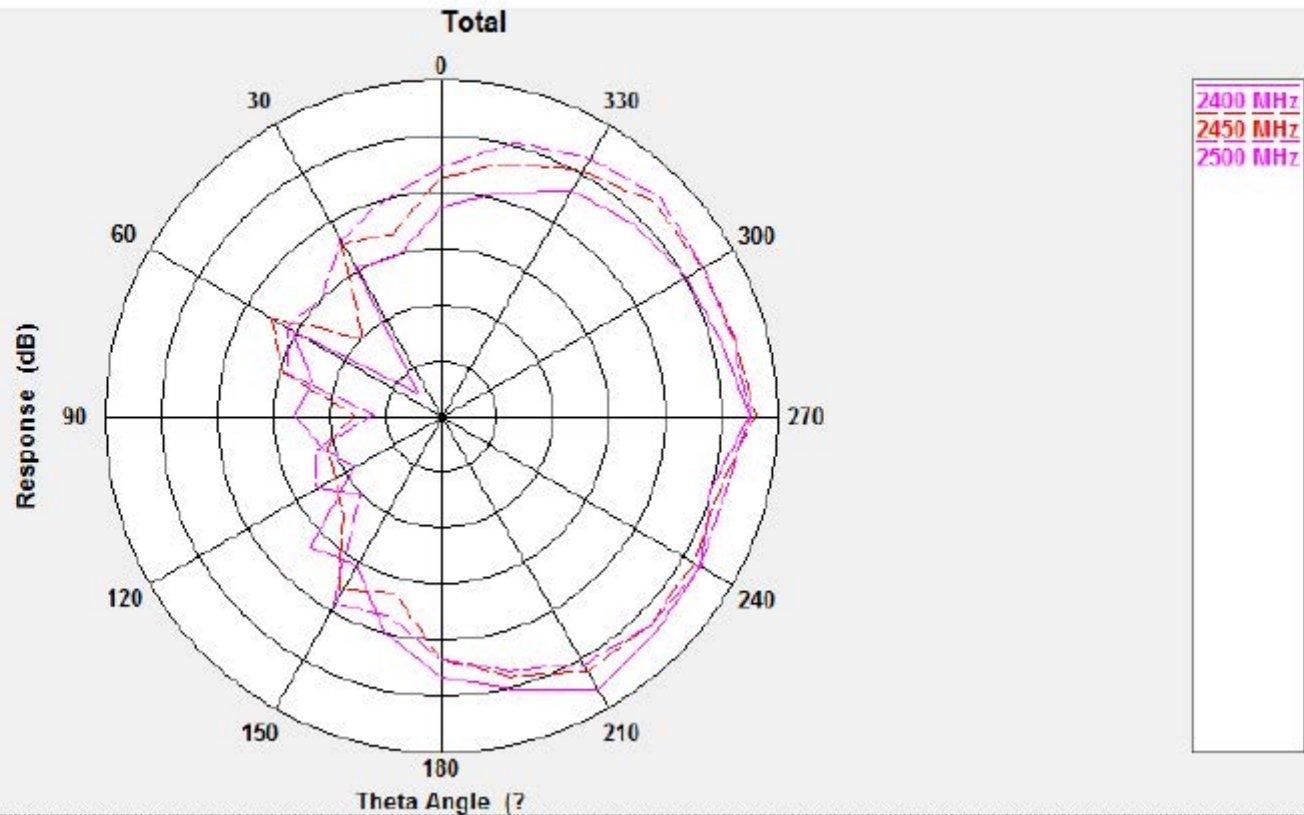
Test Data



AntennaS11

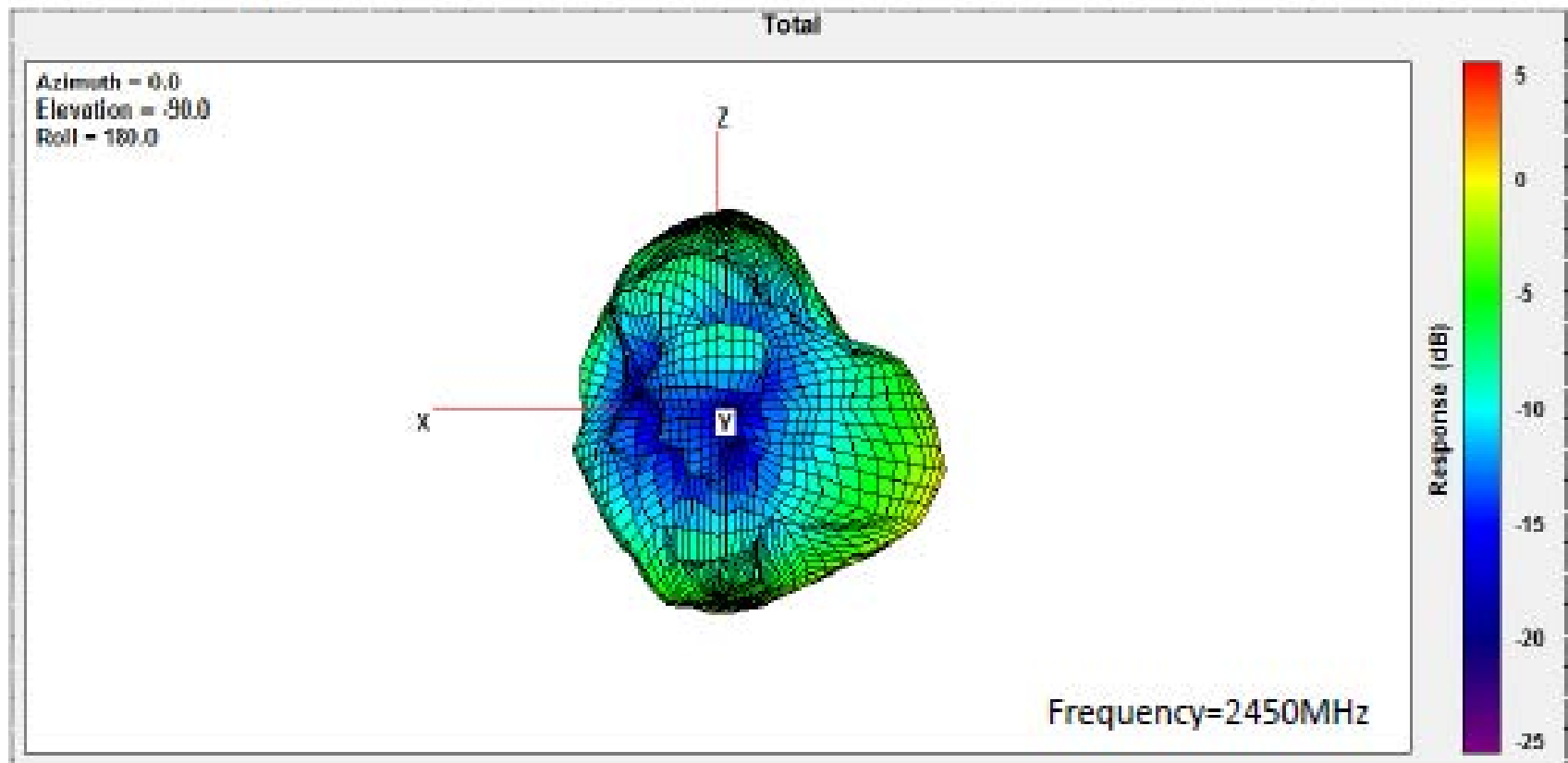
Test Data

2-D antenna pattern (Phi=90°)



Test Data

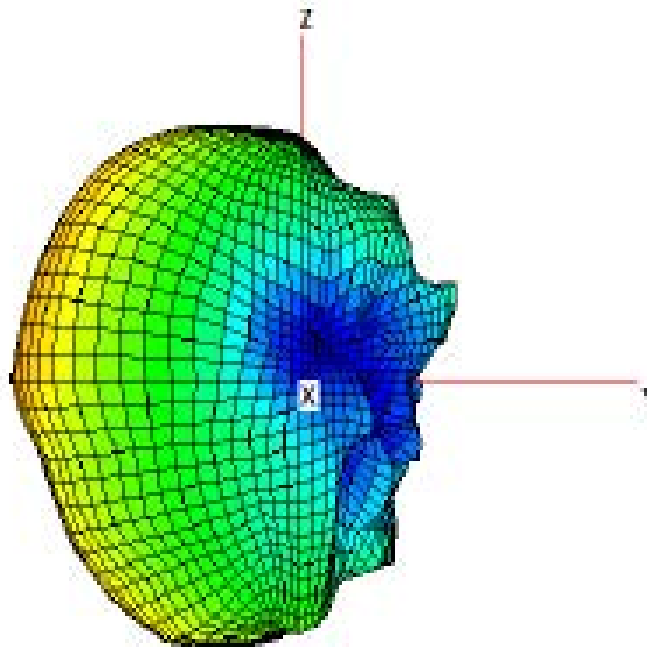
3-D antenna pattern



Test Data

Total

Azimuth = 90.0
Elevation = 0.0
Roll = -90.0



Response (dB)

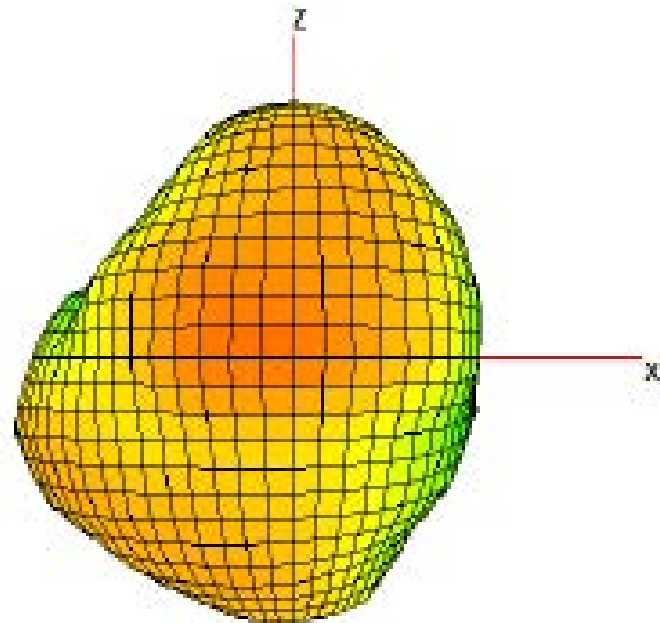
5
0
-5
-10
-15
-20
-25

Frequency=2450MHz

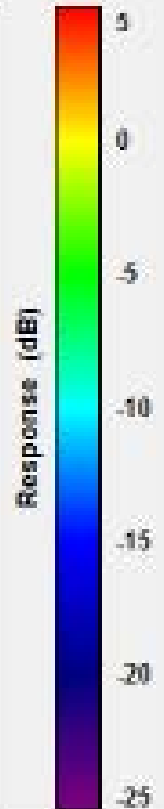
Test Data

Total

Azimuth = 90.0
Elevation = 90.0
Roll = 90.0



Frequency=2450MHz



Test Data

Passive Test For 2.4-2.5G									
Freq (MHz)	Effi (%)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	54.23	1.84	-0.31	26.843	27.387	1.84	-12.95	48.31	48.37
2410	54.04	1.83	-0.32	26.962	27.077	1.83	-12.04	48.38	48.42
2420	55.22	2.13	-0.02	27.271	27.948	2.13	-10.98	48.26	48.33
2430	56.35	1.94	-0.21	29.179	27.168	1.94	-10.84	48.26	48.35
2440	57.77	2	-0.15	29.858	27.914	2	-13.3	48.44	48.44
2450	57.63	2.01	-0.14	29.025	28.608	2.01	-10.14	48.72	48.63
2460	57.27	2.06	-0.09	29.695	27.575	2.06	-12.74	48.78	48.68
2470	56.96	2.03	-0.12	29.604	27.357	2.03	-10.51	48.72	48.61
2480	56.23	2.08	-0.07	28.843	27.387	2.08	-12.95	48.65	48.49
2490	55.04	2.02	-0.13	27.962	27.077	2.02	-12.04	48.57	48.34
2500	55.22	2.09	-0.06	28.271	26.948	2.09	-10.98	48.38	48.15

Antenna position



Antenna position





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谢谢！