

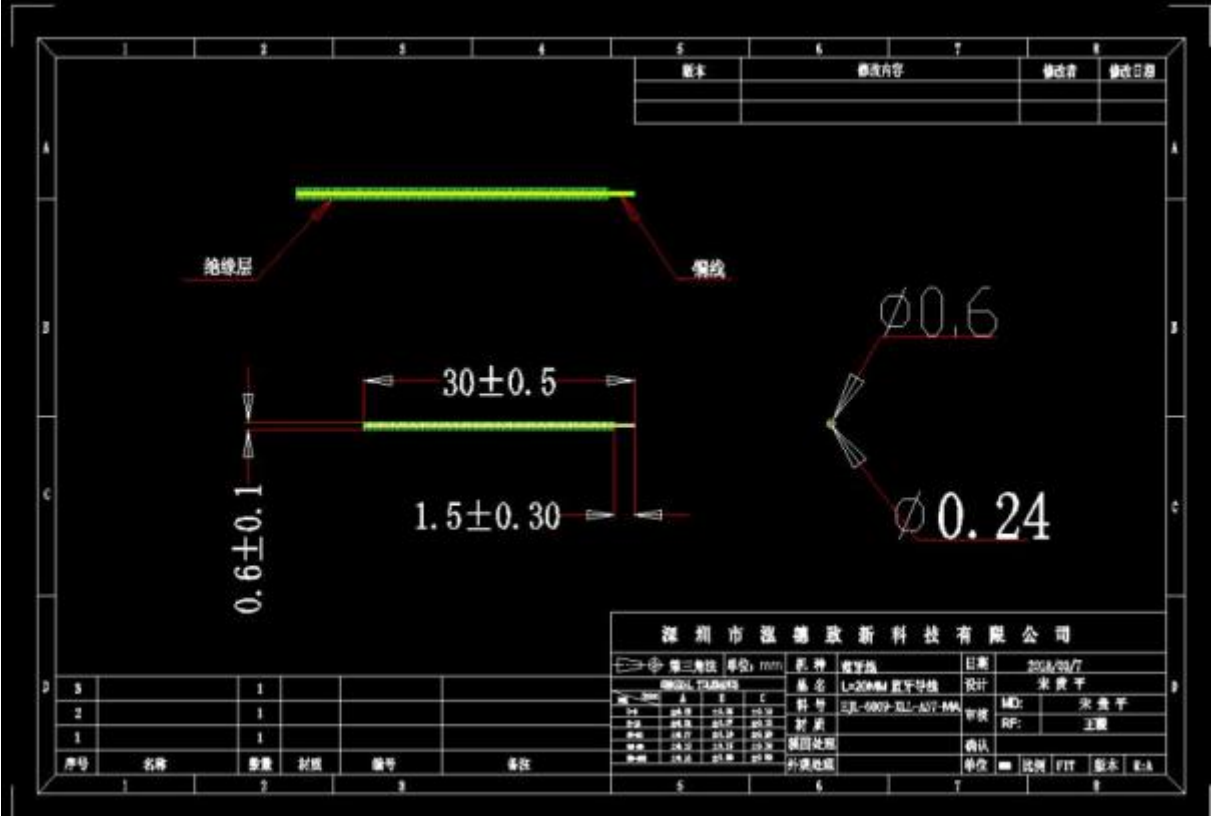
深圳市泓德致新科技有限公司

天线规格书

客户： 联芯同创			项目名： LX301	
频段： 2402-2480MHz		日期： 2023.03.23		版本： R:A
研发	结构： 李健		批准： 张林	
	射频： 张旺			
客户审核：			客户批准：	

蓝牙天线 **0.6*25** 单芯 一头剥锡 **1.0**

Antenna specifications

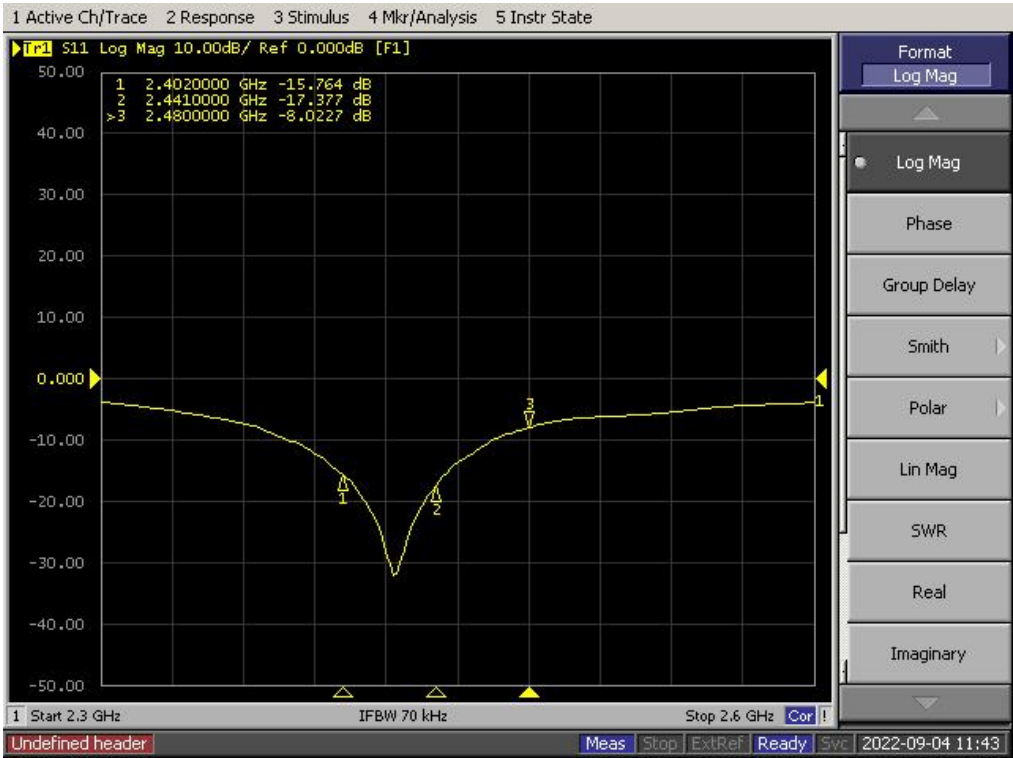
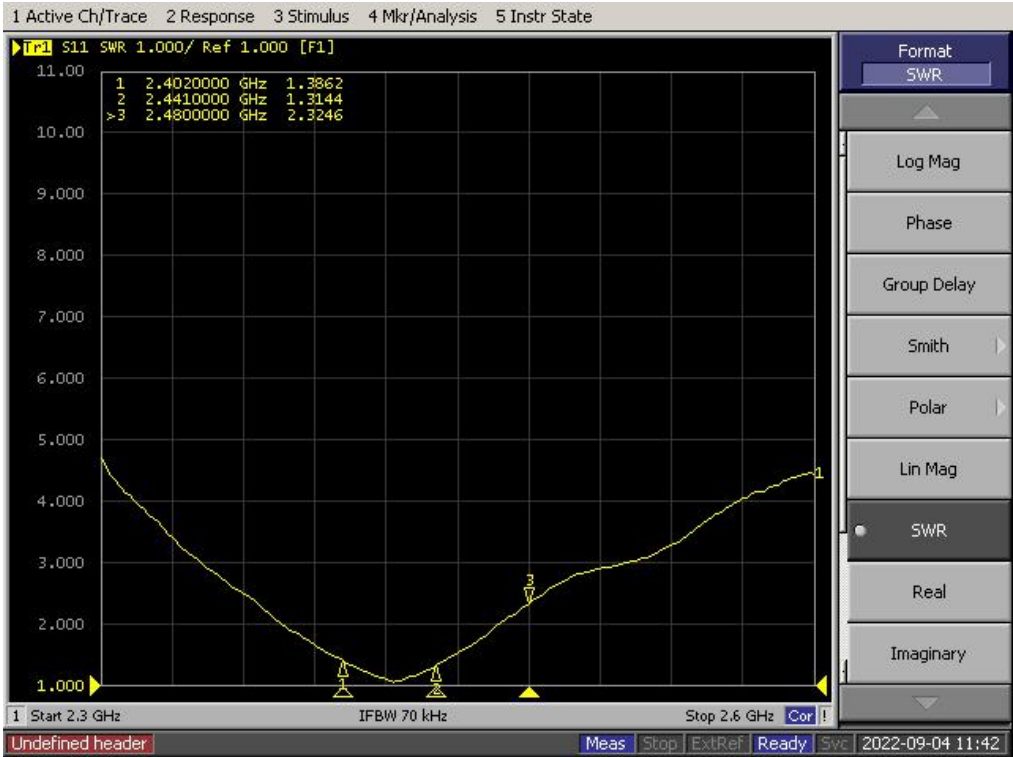


Bluetooth antenna

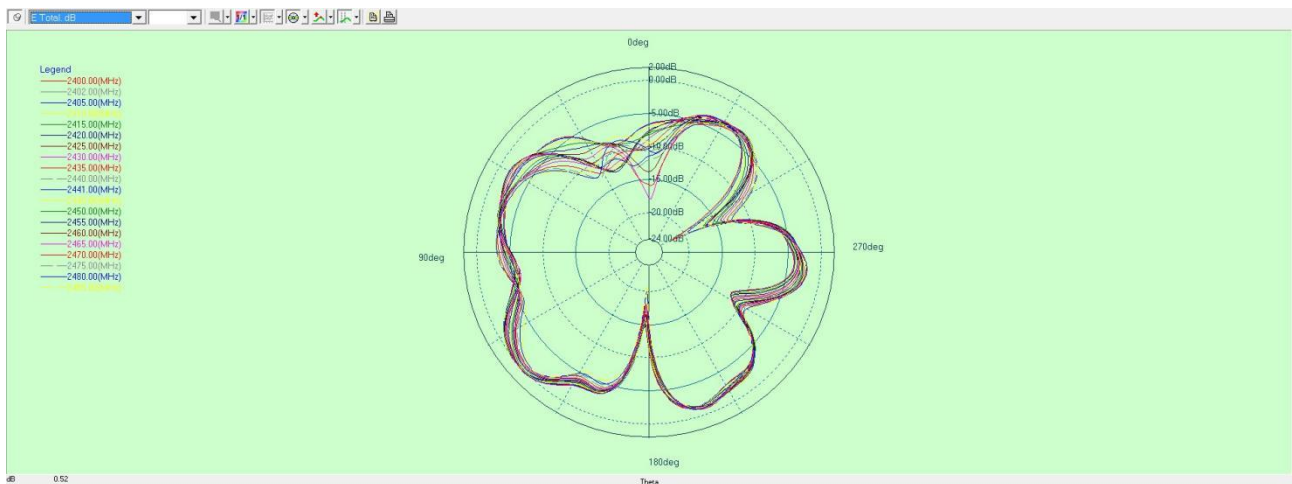
Product electrical performance index	
Operating frequency range	2400 ~ 2480MHz
Antenna gain	1.68dBi Max
radiation efficiency	2496 ~ 2600MHz: >60 %
Impedance	50 ohm
Product material description	
FPC	electrolytic copper+PI
Product environment description	
working temperature	- 30°C ~ + 85 °C
Storage temperature	- 30°C ~ + 85 °C
Output voltage standing wave ratio	1.92V

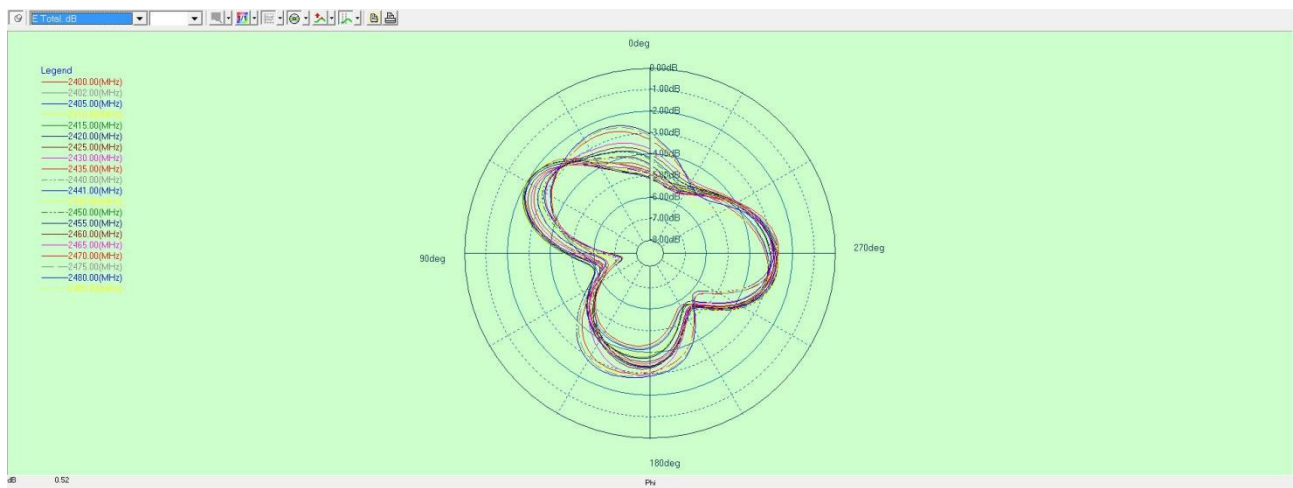
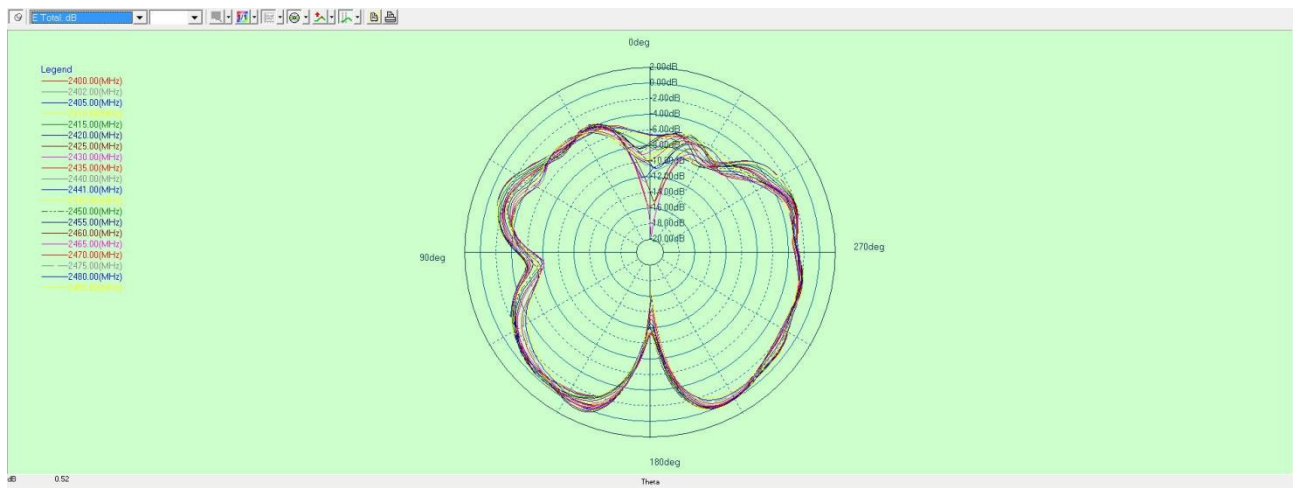
Bluetooth test data

Frequency	SWR	RL(dB)
2402MHz	1.39	-15.76
2441MHz	1.31	-17.38
2480MHz	2.32	-8.02

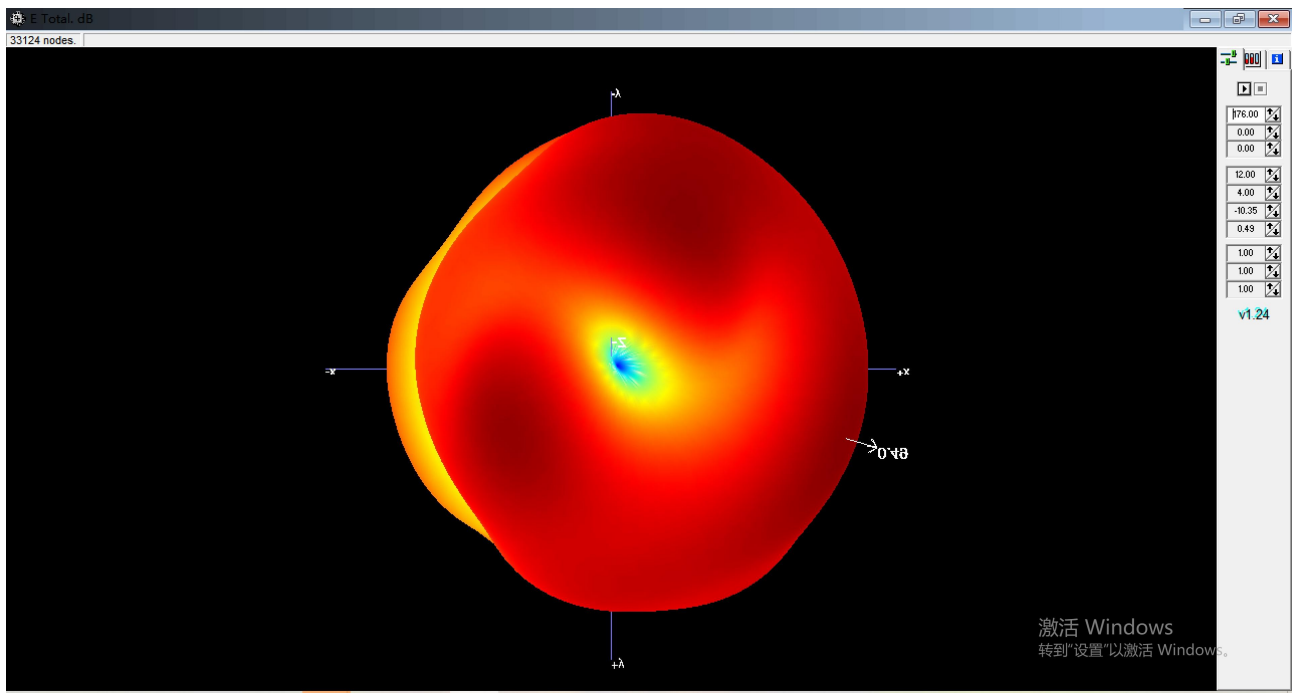


Frequency	Gain (dBi)	Efficiency()
2400MHz	0.47	45%
2402MHz	0.49	46%
2405MHz	0.58	46%
2410MHz	0.66	47%
2415MHz	0.47	46%
2420MHz	0.41	46%
2425MHz	0.64	46%
2430MHz	0.63	45%
2435MHz	0.81	45%
2440MHz	1.10	45%
2441MHz	1.16	45%
2445MHz	1.43	45%
2450MHz	1.62	44%
2455MHz	1.68	43%
2460MHz	1.67	42%
2465MHz	1.56	42%
2470MHz	1.37	41%
2475MHz	1.32	41%
2480MHz	1.12	40%
2485MHz	0.99	39%

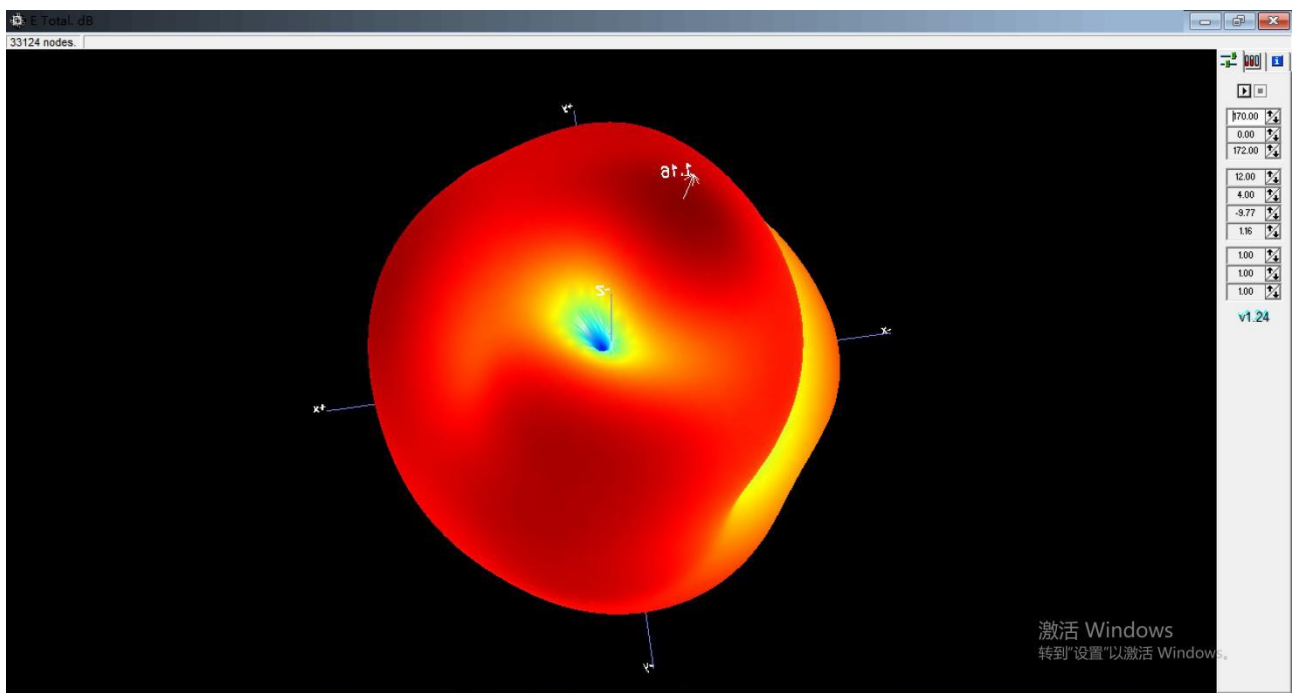




2402MHz



2441MHz



2480MHz

