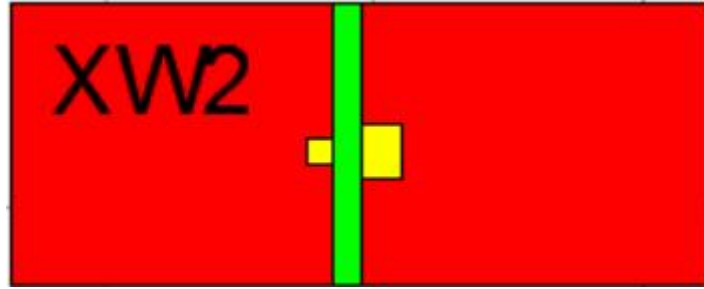


深圳市泓德致新科技有限公司

XW1/XW2/XW3, FPC 天线 产 品 规 格 书

客 户		频 段	2400 ~ 2480MHz
产品名称	FPC 天线	版 本	A1
客户料号		料号	
产品描述	FPC 天线-0.81 黑色线 L60MM-1 代 IPEX 端子;		
R F 设计	陈亮	射频经理	金勇
结构设计	谢凯军	结构经理	陈小华
技术总监	肖栋	日 期	2024-10-19

Antenna specifications

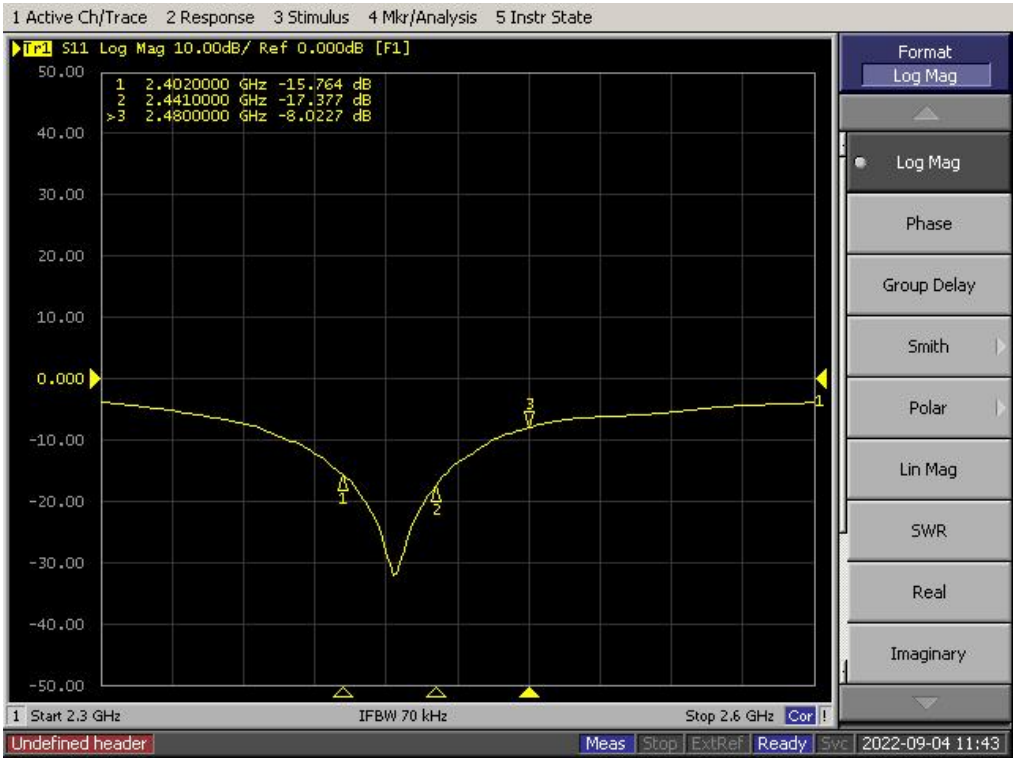


Bluetooth antenna

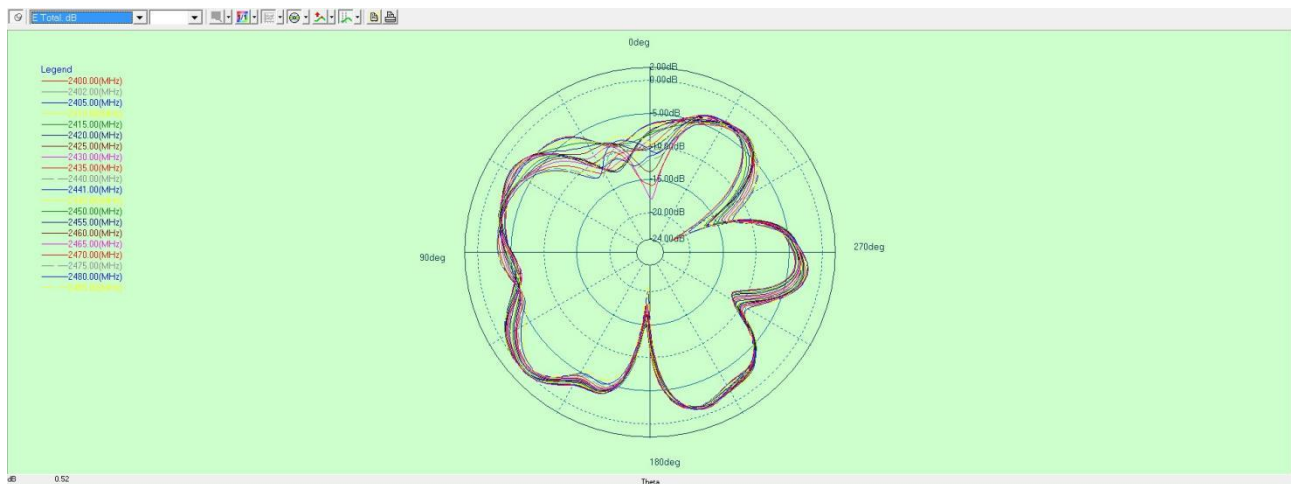
Product electrical performance index	
Operating frequency range	2400 ~ 2480MHz
Antenna gain	1.68dBi Max
radiation efficiency	2496 ~ 2600MHz: >60 %
Impedance	50 ohm
Product material description	
FPC	electrolytic copper+PI
Product environment description	
working temperature	- 30°C ~ + 85 °C
Storage temperature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

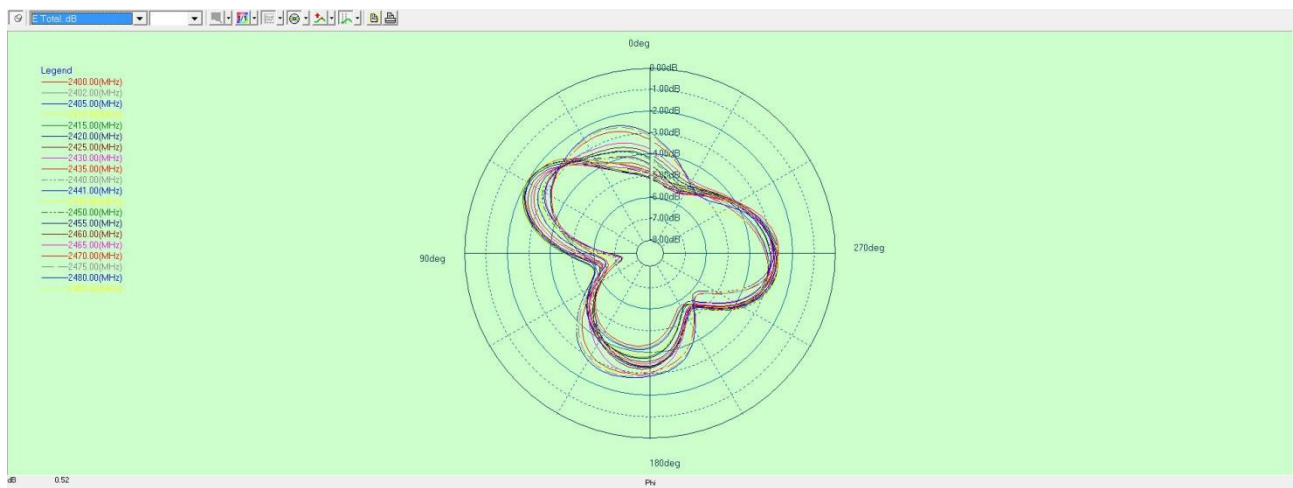
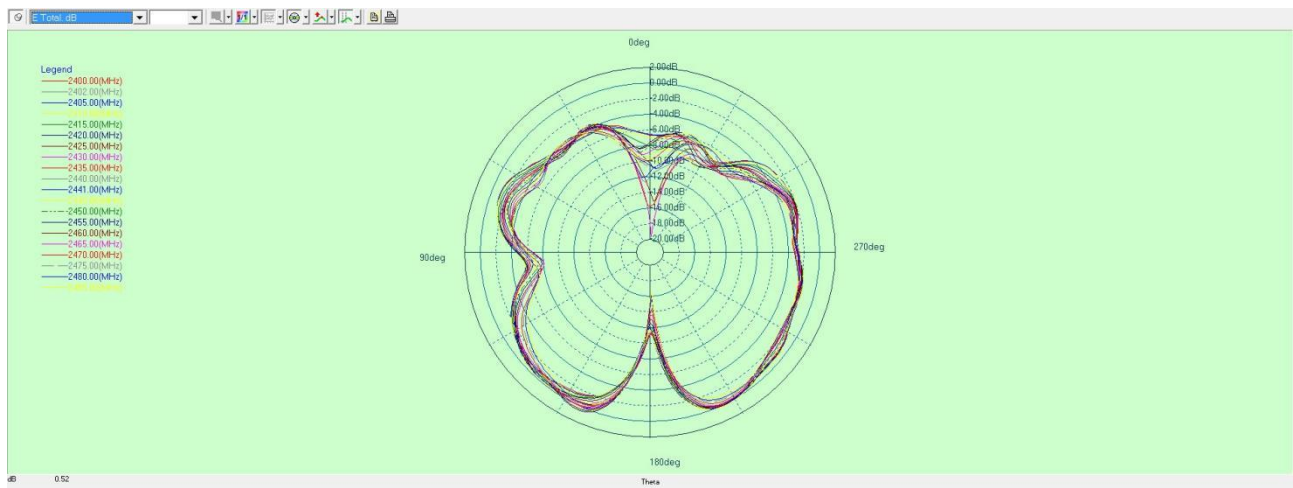
Bluetooth test data

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

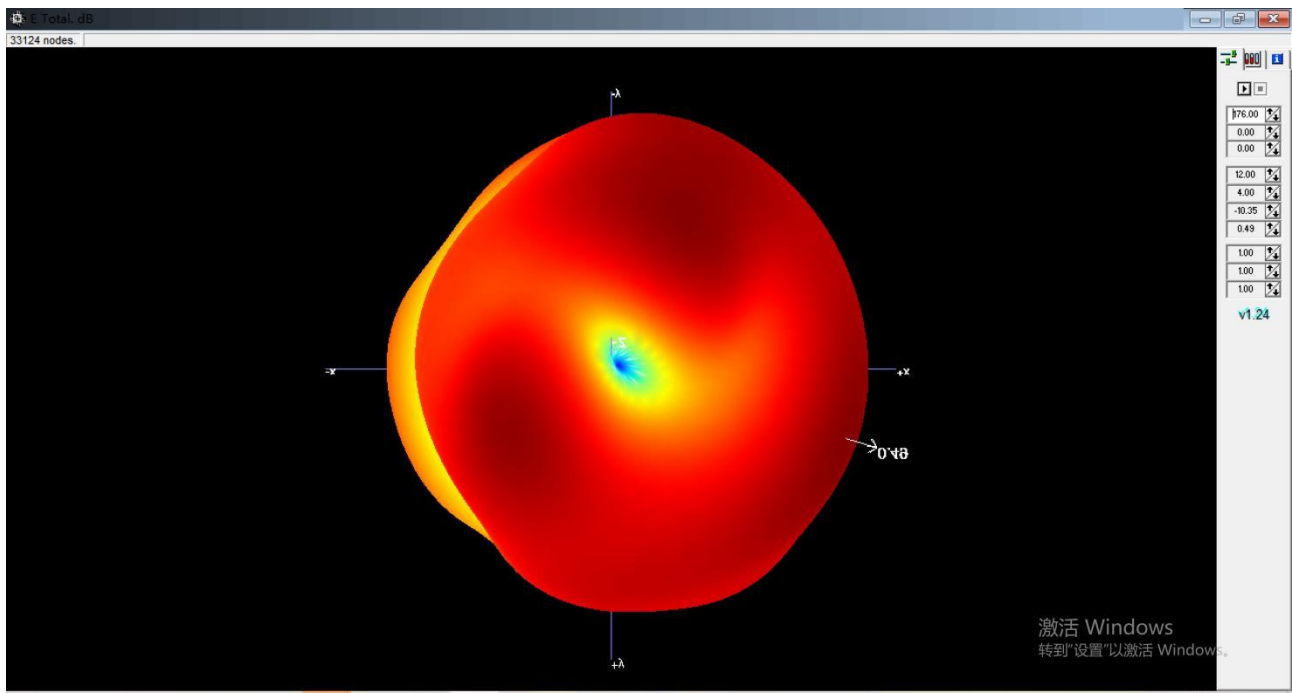


Frequency	Gain (dBi)	Efficiency()
2400MHz	0.47	45%
2402MHz	0.49	46%
2405MHz	0.58	46%
2410MHz	0.66	47%
2415MHz	0.47	46%
2420MHz	0.41	46%
2425MHz	0.64	46%
2430MHz	0.63	45%
2435MHz	0.81	45%
2440MHz	1.10	45%
2441MHz	1.16	45%
2445MHz	1.43	45%
2450MHz	1.62	44%
2455MHz	1.68	43%
2460MHz	1.67	42%
2465MHz	1.56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

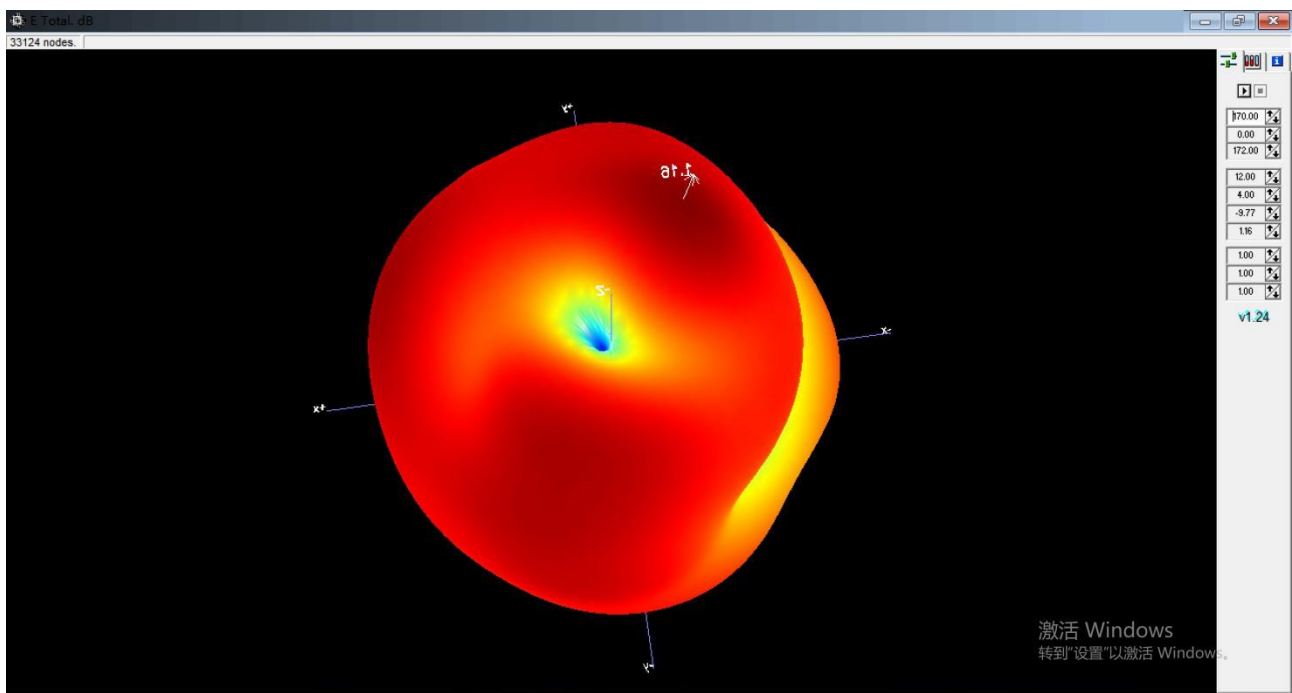




2402MHz



2441MHz



2480MHz

