



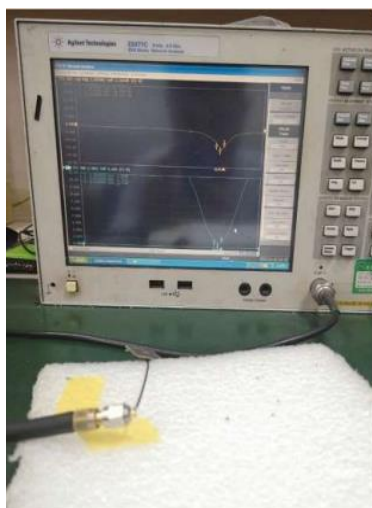
GEM

**Fingerprint
combination lock
Bluetooth antenna**

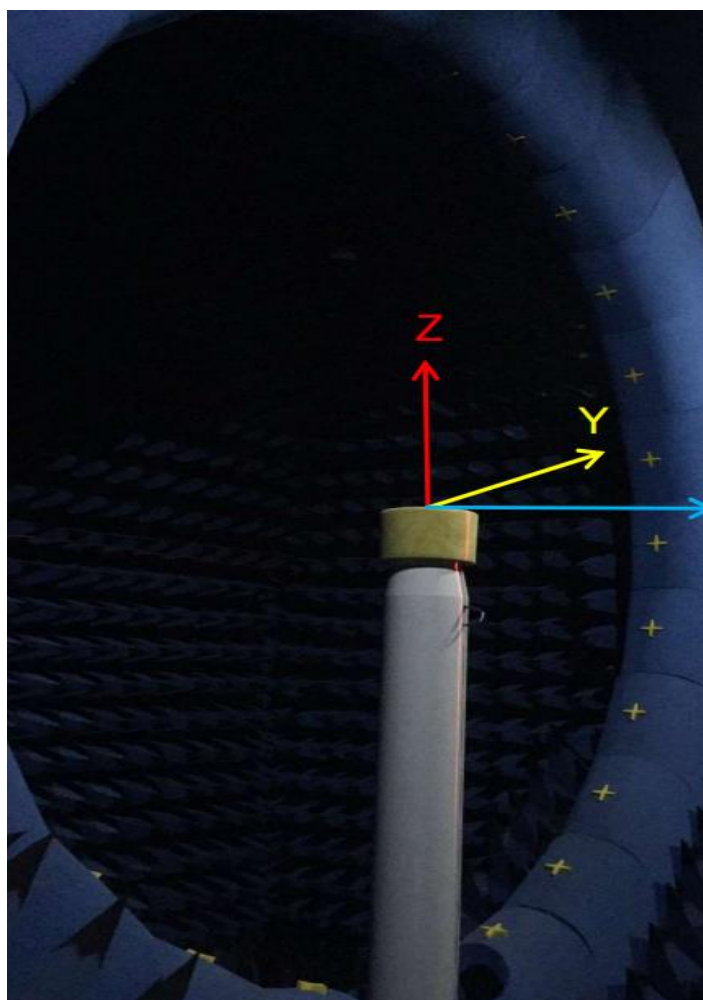
深圳市格尔曼科技有限公司

Shenzhen Gelman Technology Co., LTD

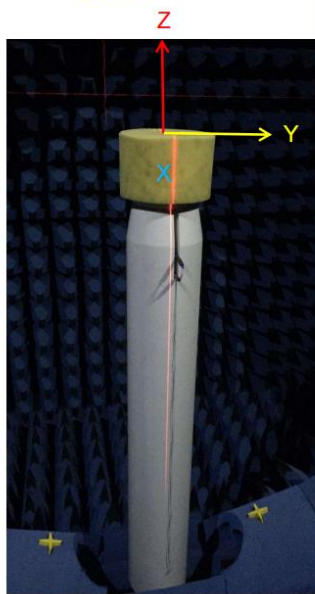
Company	Gelman Technology
Antenna	PCB antenna
Editor	周应平
Date	2022.12.6
Version	V1.0



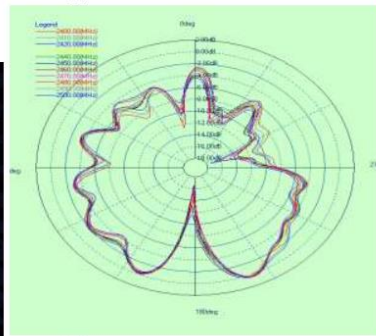
Frequency(MHz)	2400	2450	2500
Return Loss	-8.73	-11.76	-11.21
VSWR	2.16	1.71	1.77



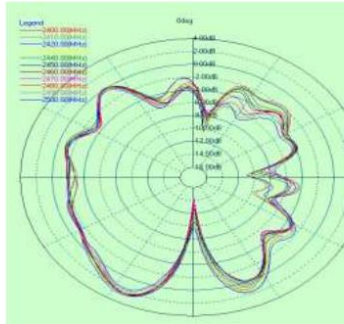
2D



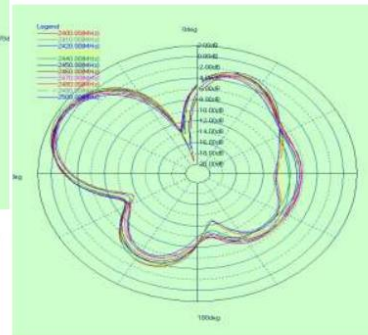
XY



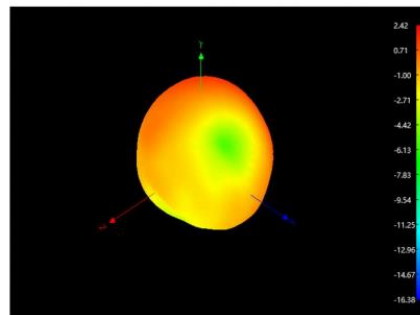
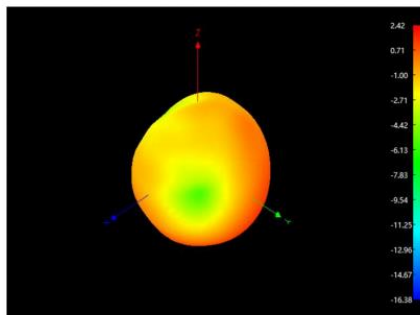
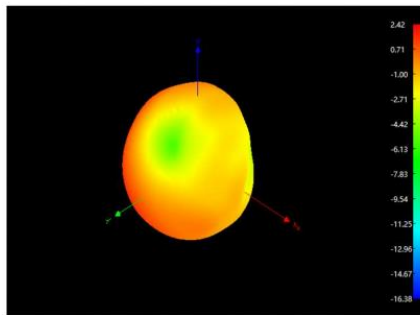
YZ



XZ



3D



Freq. (MHz)	Effi (%)	Gain (dBi)
2400	52.29	1.62
2410	52.17	1.71
2420	53.14	1.93
2430	54.16	1.98
2440	57.62	2.00
2450	59.64	2.17
2460	61.55	2.45
2470	60.64	2.38
2480	62.86	2.54
2490	59.85	2.30
2500	60.41	2.49

Antenna Dimensions

